Basra, North Rumaila, Quality Control Yard - Iraq



#### CERTIFICATE OF QUALIFICATION VISUAL AND WITNESS PRESSURE TEST

PRESSURE TEST:       The Above Separaror Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no I was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST:       The Above All Valve Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak w Found while testing & Pressure Was Stable According To Chart Recorder	LOCATION:     TSS WORKSHOP & INSPECTION TEST AREA     JOB NO :     QC-24-05-TSS-NUT-HAIL-007       WORK ORDER #     226587883     SPECIFICATION:     ASME BSI LP CLSTOMER SPECIFICATION       DATE OF INSPECTION:     Wednewlay, May 29, 2024     INSP_ DUE DATE     Wednewlay, May 28, 2025       TYPE OF INSPECTION:     Wednewlay, May 29, 2024     INSP_ DUE DATE     Wednewlay, May 28, 2025       DESCRIPTION:     SEPARATOR VESSEL 1440PSI     SAP EQ.NO     11444041       DODY PRESSURE TEST     1440 Psi     HOLDING TIME     15 MINUTIS       VALVE PRESSURE TEST     1440 Psi     HOLDING TIME     15 MINUTIS       PRESSURE TEST     1440 Psi     HOLDING TIME     15 MINUTIS       PROM PRESSURE TEST     13119220     CAL DUE DATE     AUG 2024       Premere Gauge NO:     468066     CAL DUE DATE     AUG 2024       VALVE PRESSURE TEST     The Abros Separator Body Was Babble According In CAR Recorder     AUG 2024       PRESSURE TEST :     The Abros Separator Body Was Babb According In CAR Recorder     The Above Separator Body Was Babbe According In CAR Recorder     Counce TranceBurg       PRESSURE TEST :     The Above Separator Body Was Babbe According In CAR Recorder     The Above Separator Body Was Babbe According In CAR Recorder     The Above Separator Body Was Babbe According In CAR Recorder       PRESSURE TEST :     The Above Separator Body Was Babbe According In CAR Recorder     <	THIS RE	PORT COMPLIES WITH REC	OGNIZED INTERNATIO	NAL STANDARDS & TH	CHNICAL R	EQUIEREMENTS							
WORK ORDER ≠       25659883       SPECIFICATION:       ABME B31.// CUSTOMER SPECIFICATION:         DATE OF INSPECTOR:       Wednesday, May 29, 2024       DRS. DUE DATE:       Wednesday, May 29, 2025         TYPE OF INSPECTOR:       Wednesday, May 29, 2024       DRS. DUE DATE:       Wednesday, May 29, 2025         DESCRIPTION:       SEPARATOR VISSEL 1400PSI       SAFE QUO       1146041         DOOY PRESURE TEST       1440 Psi       ROLDOR TIME:       15 MINUTES         NOLVY PRESURE TEST       1440 Psi       ROLDOR TIME:       15 MINUTES         NOLY PRESURE TEST       1311920       CAL DUE DATE:       AUG.2024         Pressure Gauge NO:       468066       CAL DUE DATE:       AUG.2024         Type Server:       1311920       CAL DUE DATE:       AUG.2024         Discription of the server of the serve	WORK ORDER↓       J26589831       SPECIFICATION       ASKE ISLI/CLISTOMER. SPECIFICATION         DATE OF INSPECTION       Wednesky, May 29, 2024       INSP, DUE DATE       Wednesky, May 28, 2025         TYPE OF INSPECTION       SECARATOR VESSEL 1409SI       SAFE PLAN       Wednesky, May 28, 2025         DISCRIPTION       SECARATOR VESSEL 1409SI       SAFE PLAN       Instance       Instance         BODY PRESENTET       SECARATOR VESSEL 1409SI       SAFE PLAN       Instance       Instance         ROUVE PRESENTET       SECARATOR VESSEL 1409SI       HOLDING TIME       Instance       Instance         ROUVE PRESENTET       1440 Psi       HOLDING TIME       Instance       Instance         ROUVE PRESENTET       1511920       CAL DUE DATE       AUG 2024         Present Grage NO:       468066       CAL DUE DATE       AUG 2024         UNIVERSENT       Second State       Second State       Outware Trancement         DESCRIPTION       Second State       Second State       AUG 2024         Second Wedge State       Second State       Second State       AUG 2024         Second Wedge State       Second State       Second State       AUG 2024         Second Wedge State       Second State       Second State       AUG 2024         Secon	CLIENT:	HALLIBI	JRTON	REPORT No.:		QC-24-05-TSS-HALL-ND	T-001						
DATE OF INSPECTION:       Wedneday, May 29, 2024       DREAD TO AND WITNESS PRESSURE TEST         TYPE OF INSPECTION:       SEPARATOR VESSEL HAPPSI       SAP EQ,NO       11444041         DISCRIPTION:       SEPARATOR VESSEL HAPPSI       SAP EQ,NO       11444041         BODY PRESSURE TEST       1440 Pil       BODING TIME       IS MINUTES         VALUE PRESSURE TEST       1440 Pil       BODING TIME       IS MINUTES         BODY PRESSURE TEST       1440 Pil       BODING TIME       IS MINUTES         Pump S.N::       13119220       CAL DUE DATE       AUG 2024         Pressure Geoge NO:       468066       CAL DUE DATE       AUG 2024         USERCENTION:       ISERCENT PRESSURE TEST       OULDIE TEST       OULDIE TEST         Pressure Geoge NO:       468066       CAL DUE DATE       AUG 2024         USERCENT PRESSURE TEST:       The Above Spanaror Body Was Tested Up to 100 FIA to Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min and 1400 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working pressure, Hold For 15 min and 140 PSI Maximum Working press	DATE OF INSPECTION:       Wednesday, May 29, 2024       INSP. DUE DATE       Wednesday, May 28, 2025         TYPE OF INSPECTION:       SEPARATOR VESSEL 1440PSI       SAP EQ.N       I 144004         BOOY PRESSURE TEST       1440 Psi       BOLDING TME       I 144004         KOMP PRESSURE TEST       1440 Psi       BOLONG TME       I 144004         BOOY PRESSURE TEST       1440 Psi       BIOLONG TME       I SMINUTES         BOOY PRESSURE TEST       13119220       CAL DUE DATE       AUC 2024         Pressure George NO:       468066       CAL DUE DATE       AUC 2024         OUTPRESSURE TEST       I MADE       I MADE       I MADE         VELOW       TYPE OF INSTRUCTION       MADE       I MADE       I MADE         Rung SN:       3119220       CAL DUE DATE       AUC 2024         OUTPRESSURE TEST       Image SN:       31000000000000000000000000000000000000	LOCATION:	TSS WORKSHOP & INS	PECTION TEST AREA	JOB NO :		QC-24-05-TSS-NDT-HAL	LL-007						
TYPE OF INSPECTION:       VISUAL INSPECTION AND WITNESS PRESSURE TEST         DISCRIPTION:       SEPARATOR VESSEL 1440'SI       SAP EQ.NO       11484041         BODY PRESSURE TEST       1440 psi       HOLDNO TIME       15 MINUTES         VALVE PRESSURE TEST       1440 psi       HOLDNO TIME       15 MINUTES         BODY PRESSURE TEST       1440 psi       HOLDNO TIME       15 MINUTES         BODY PRESSURE TEST       1440 psi       HOLDNO TIME       15 MINUTES         BODY PRESSURE TEST       13119220       CAL DUE DATE       AUG.2024         Pressure Gauge NO.:       468066       CAL DUE DATE       AUG.2024         UNINE TRACEDURE       UNINE TRACEDURE       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       AUG.2024       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       AUG.2024       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       AUG.2024       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       TOTAL COLOR       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       TOTAL COLOR       DUE DATE       AUG.2024         UNINE TRACEDURE       TOTAL COLOR       TOTAL COLOR <td< th=""><th>TYPE OF INSPECTION:       SEPARATOR VESEL 1440FSI       SAP BQNO       11444041         BODY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         VALVE PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1340 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST WITH FRV:       1296 psi       HOLDRO TIME:       15 MINUTES         Pump S.N.:       13119220       CAL DUE DATE:       AUG.2024         VENUE       468066       CAL DUE DATE:       AUG.2024         VENUE       468066       CAL DUE DATE:       AUG.2024         VENUE       SUPECTION RESULT       AUG.2024       Contine TRACEBULTY         VENUE       SUPECTION RESULT       NEPECTION RESULT</th><th>WORK ORDER #</th><th>326589</th><th>883</th><th>SPECIFICATION:</th><th>А</th><th>SME B31.1/ CUSTOMER SPE</th><th>CIFICATION</th></td<>	TYPE OF INSPECTION:       SEPARATOR VESEL 1440FSI       SAP BQNO       11444041         BODY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         VALVE PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1440 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST       1340 psi       HOLDRO TIME:       15 MINUTES         DOOY PRESSURE TEST WITH FRV:       1296 psi       HOLDRO TIME:       15 MINUTES         Pump S.N.:       13119220       CAL DUE DATE:       AUG.2024         VENUE       468066       CAL DUE DATE:       AUG.2024         VENUE       468066       CAL DUE DATE:       AUG.2024         VENUE       SUPECTION RESULT       AUG.2024       Contine TRACEBULTY         VENUE       SUPECTION RESULT       NEPECTION RESULT	WORK ORDER #	326589	883	SPECIFICATION:	А	SME B31.1/ CUSTOMER SPE	CIFICATION						
DESCRIPTION:         SEP ARATOR VESSEL 1440PSi         SAP EQNO         11440401           BODY PRESSURE TEST         1440 pd         HOLEING TIME         15 MINUTES           VALVE PRESSURE TEST         1440 Pd         HOLEING TIME         15 MINUTES           BODY PRESSURE TEST         1440 Pd         HOLEING TIME         15 MINUTES           BODY PRESSURE TEST         13119220         CAL DUE DATE         AUG.2024           Pressure George NO:         468066         CAL DUE DATE         AUG.2024           UNINE TRACEMENT         AUG.2024         AUG.2024         AUG.2024           UNINE TRACEMENT         INFORMANIA TO AUG.2024         AUG.2024         AUG.2024           U	DESCRIPTION         SEPARATOR VESSEL 1440FSI         SAP RQ,NO         1144041           BODY PRESSURE TEST         1440 Pai         HOLDING TIME         15 MINUTES           VALVE PRESSURE TEST         1440 Pai         HOLDING TIME         15 MINUTES           BODY PRESSURE TEST         1440 Pai         HOLDING TIME         15 MINUTES           BODY PRESSURE TEST WITH PKY         1296 pai         HOLDING TIME         15 MINUTES           Rung SN:         13119220         CAL DUE DATE         AUG.2024           Themp SN:         466066         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         466066         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         466066         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         466066         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         1000066         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         466006         CAL DUE DATE         AUG.2024           UNIVERSIDE TEST WITH PKY         1000066         CAL DUE DATE         Curine TRACEBULT           UNIVERSIDE TEST WITH PKY         1000000000000000000000000000000000000													
BODY PESSURE TEST     1440 psi     HOLDING TIME     15 MINUTES       VALVE PESSURE TEST     1440 Psi     HOLDING TIME     15 MINUTES       BODY PESSURE TEST     1296 psi     HOLDING TIME     15 MINUTES       Pump S.N.:     3119220     CAL DUE DATE     AUG.2024       Pessure Gaag NO:     468066     CAL DUE DATE     AUG.2024       UNING TIME     UNING TIME     AUG.2024       UNING TIME     UNING TIME     AUG.2024       UNING TIME     AUG.2024     AUG.2024       UNING TIME     UNING TIME     OULD SULA       UNING TIME     UNING TIME     OULD SULA       UNING TIME     UNING TIME     OULD SULA       UNING	BODY PRESSURE TEST       1440 psi       HOLDING TIME:       15 MINUTES         VALUE PRESSURE TEST       1440 psi       HOLDING TIME:       15 MINUTES         DODY PRESSURE TEST WITH FRV:       1296 psi       HOLDING TIME:       15 MINUTES         Pressure Gauge NO:       466066       CAL DUE DATE:       AUG.2024         Pressure Gauge NO:       466066       CAL DUE DATE:       AUG.2024         UNUME TRACEBULY       466066       CAL DUE DATE:       AUG.2024         UNUME TRACEBULY       UNUME TRACEBULY       UNUME TRACEBULY       UNUME TRACEBULY         UNUME TRACEBULY       UNUME TRACEBULY       UNUME TRACEBULY       UNUME TRACEBULY         PRESSURE TEST:       The Above Separator Body Was Tested Up to 100 PSI A how Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Law Food Hier esting & Pressure Was Sable According TO CAMT Recoder       To Above All Valve Was Tested Up to 100 PSI A how Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Law Food Hier esting & Pressure Was Sable According TO CAMT Recoder       To Above All Valve Was Tested Up to 100 PSI A how Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Law Food Hier esting & Pressure Was Sable According TO CAMT Recoder       To Above All Valve Was Tested Up to 100 PSI A how Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Law Food Hier esting & Pressure Was Sable According TO CAMT Recoder       To Above All Valve Was Tested Up to 100 PSI A	TYPE OF INSPECTION:		VISUAL INSP	ECTION AND WITNES	S PRESSUI	RE TEST							
VALVE PESSURE TEST       1440 Pd       HOLDING TIME       15 MINUTES         BODY PESSURE TEST WITH PRV :       1296 pi       HOLDING TIME       15 MINUTES         Pump SN:       13119220       CAL DUB DATE:       AUG.2024         Pressure Gauge NO:       468066       OAL DUB DATE:       AUG.2024         Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:         Image: Cauge NO:       468066       OAL DUB DATE:       AUG.2024         Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:         Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:         Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:         Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:       Image: Cauge NO:	VALVE PRESSURE TEST       1440 Pai       HOLDING TIME       15 MINUTES         BODY PRESSURE TEST WITH PRV:       1296 pai       HOLDING TIME       15 MINUTES         Pump S.N::       13119220       CAL DUE DATE       AUG 2024         Pressure Garge NO:       468066       CAL DUE DATE       AUG 2024         Image S.M::       1400 Pai       468066       CAL DUE DATE       AUG 2024         Image S.M::       468066       CAL DUE DATE       AUG 2024         Image S.M::       1400 Pai       AUG 2024       Image Science Scien	DESCRIPTION:	SEPARATOR VE	SSEL 1440PSI	SAP EQ.NO	)	1148404	41						
BODY PRESSURE TIST WITH PRV:       12% psi       HOLDING TIME:       15 MINUTES         Pump S.N.:       13119220       CAL DUE DATE:       AUG.2024         Pressure Gauge NO:       468066       CAL DUE DATE:       AUG.2024         Image: Carge NO:       Image: Carge NO:       Aug.2024       Image: Carge NO:       Aug.2024         Image: Carge NO:       Image: Carge NO:       Image: Carge NO:       Aug.2024       Image: Carge NO:       Image:	BODY PRESSURE TEST WTH PAY:       1296 pd       HOLDING TIME:       15 MINUTES         Pump S.N.:       13119220       CAL DUE DATE:       AUG.2024         Pressure Gauge NO:       468066       CAL DUE DATE:       AUG.2024         Image: Cause NO:       Image: Cause NO:       Image: Cause NO:       Image: Cause NO:         Image: Cause NO:       Image: Cause NO:       Image: Cause NO:       Image: Cause NO:         Image: Cause NO:       Image: Cause NO:       Image: Cause NO:       Image: Cause NO:       Image: Cause NO:         Image: Cause NO:       Image:	BODY PRESSURE TEST	1440	psi	HOLDING TI	Æ:	15 MINU	TES						
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PRESSURE TEST 1:       The Above Separator Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above Separator Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above Separator Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         INSPECTOR NAME:       Job Above Separator Body With PRC Was Tested Up to 100 PSI A low Pressure Hold For 5 min And 1440 PSI Maximum Working pressure, Hold For 5 min And 1440 PSI Maximum Working pressure, Hold For 5 min And 1440 PSI Max	Image: Colspan="2">Image: Colspan="2" Text C	Pressure Gauge NO.:	46800	66	CAL DUE DA	FE:	AUG.20	024						
PRESSURE TEST ::       The Above Separaror Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no I was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST ::       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST ::       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1240 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST ::       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1240 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST ::       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1240 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST ::       REVIEW BY       REVIEW BY         INSPECTOR NAME:       Massard Ahmeet       Sentor INSPECTOR:       NAVEED HUSSAIN       CLEW T         QUALIFICATION:       ASSArd Preserve available according To Chart Recorder       INSPECTION SUPERVISOR:       HANI ALI       HEMASIGN	PRESSURE TEST I:       The Above Separator Body Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Law as Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above All Valve Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leaw was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leaw was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separator Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 1 min no Leaw was Found while testing & Pressure Was Stable According To Chart Recorder         INSPECTOR NAME:       M Shabazad Ahmed       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLEWT:         Iginal - Client Files       Coty - Ave Office       OCCENT/T Rev.00 DATED 07.NOV. 2021       DATE													
PRESSURE TEST 1:       was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above All Valve Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 10 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PERSON DETAILS       REVIEW BY         OutLification:       MSSpectror NAME:       MSSpectror Numper Construction Supervisor:       NAVEED HUSSAIN       CLEART:         QUALIFICATION:       MSSPECTION SUPERVISOR:       HANI ALI       HBBASIGN	PRESSURE TEST 1:       was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 2:       The Above All Valve Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1440 PSI Maximum Working pressure, Hold For 15 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 1 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 1 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 1 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         INSPECTOR NAME:       M.Shebrad Ahmed       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLEART:         GUALIFICATION:       ASN************************************													
PRESSURE TEST 2:       Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PERSON DETAILS       REVIEW BY         OUALIFICATION:       Missing A fined       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLEENT:         QUALIFICATION:       ASNUL:       INSPECTION SUPERVISOR:       HANI ALI       HBESIGN	PRESSURE TEST 2:       Found while testing & Pressure Was Stable According To Chart Recorder         PRESSURE TEST 3:       The Above Separaror Body With PRV Was Tested Up to 100 PSI A low Pressure Hold for 5 min And 1296 PSI Maximum Working pressure, Hold For 1 min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PERSON DETAILS       REVIEW BY         Outling Constrained       SENIOR INSPECTOR:       NAVEED HUSSAIN       Client:         SIGNATURE & STAMP:       Inspection Supervisor:       HANT ALI       Beasign         Signal - Client Files       Cory - Abe Office and OCEN/PT/07 Rev.00 DATED 07.NOV. 2021       DATE	Was Found wi	hile testing & Pressure Was Sta	ble According To Chart R	ecorder									
PRESSURE TEST 3:       min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PERSON DETAILS       REVIEW BY         INSPECTOR NAME:       M.Sbabrad Ahmed       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLEMT:         QUALIFICATION:       ASWY 2014 TO TO TO NO       INSPECTION SUPERVISOR:       HANI ALI       HBBASIGN	PRESSURE TEST 3:       min no Leak was Found while testing & Pressure Was Stable According To Chart Recorder         PERSON DETAILS       REVIEW BY         INSPECTOR NAME:       M.Sbabrad Ahmed       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLERT:         QUALIFICATION:       ASNUT - 1472 °C officerer (Composition Supervisor)       HANI ALI       Beasign         SIGNATURE & STAMP:       Composition COMPT/ONT Rev.00 DATED 07.NOV. 2021       Date	Found while t	testing & Pressure Was Stable A			Maximum W	orking pressure, Hold For 1							
INSPECTOR NAME:     M.Sbabrad Ahmed     SENIOR INSPECTOR:     NAVEED HUSSAIN     CLERT:       QUALIFICATION:     ASNUL - 1 ATTOTIC IN     INSPECTION SUPERVISOR:     HANI ALI     HBesign	NNSPECTOR NAME:       M.Sbebrad Ahmed       SENIOR INSPECTOR:       NAVEED HUSSAIN       CLERT:         QUALIFICATION:       ASSUMPTION:       INSPECTION SUPERVISOR:       HANI ALI       HBASIGN         SIGNATURE & STAMP:       Copy - Alex Office OC/EN/PT/OT Rev.00_DATED 07.NOV. 2021       DATE:       DATE:	The Above Se	pararor Body With PRV Was											
QUALIFICATION:     ASYCH ALLARPOPY, IV     INSPECTION SUPERVISOR:     HANI ALL     HBBSIGN	QUALIFICATION:     ASVENCE AND PTC IV     INSPECTION SUPERVISOR:     HANI ALI     HBASIGN       SIGNATURE & STAMP:     Copy - Acc Office copy of the VIPT/077 Rev.00 DATED 07.NOV. 2021     DATE			According To Chart Record Tested Up to 100 PSI A lov	der v Pressure Hold for 5 mi	n And 1296	PSI Maximum Working pre	5 min no Leak wa						
	SIGNATURE & STAMP:     DATE       iginal - Client Files     Copy - Ayes Officer, and QC/EN/PT/077     Rev.00     DATED 07.NOV. 2021	min no Leak		According To Chart Record Tested Up to 100 PSI A low ssure Was Stable Accordin	der v Pressure Hold for 5 mi	n And 1296	PSI Maximum Working pre	5 min no Leak w						
SIGNATURE & STAMP: DATE:	iginal - Client Files Copy - Area Officerum - OC/FN/PT/077 Rev.00 DATED 07.NOV. 2021	PRESSURE TEST 3: min no Leak v PERSON DETAILS	was Found while testing & Pres	According To Chart Recor Tested Up to 100 PSI A lov ssure Was Stable Accordin <b>REVIEW BY</b>	der v Pressure Hold for 5 mi g To Chart Recorder			5 min no Leak w						
		PRESSURE TEST 3: min no Leak v PERSON DETAILS INSPECTOR NAME: M.Sbala	was Found while testing & Pres	According To Chart Record Tested Up to 100 PSI A low ssure Was Stable Accordin REVIEW BY	der v Pressure Hold for 5 mi g To Chart Recorder NAVEED HUSS,		CLIENT:	5 min no Leak wa						

Basra, North Rumaila, Quality Control Yard - Iraq



5211110/11		AL AND MAGNETIC PARTICI S WITH RECOGNIZED INTER	LE INSPECTION AND ULTRA				UN						
CLIENT:	HALLIB		REPORT No.:	Lonnort.		QC-24-05-TSS-HAI	LL-NDT-002						
LOCATION:	TSS WORKSHOP & IN	SPECTION TEST AREA	JOB NO :		Q	C-24-05-TSS-ND	T-HALL-007						
WORK ORDER #	3265	89883	SPECIFICATION	l:		ASTM E709 & AS	STM E 797						
INSPECTION DATE:	Tuesday, M	lay 28, 2024	ł:		Tuesday, May	27, 2025							
TYPE OF INSPECTION:	VIS	D ULTRASC	ASONIC THICKNESS GAUGING										
DESCRIPTION:	SEPARATOR	VESSEL 1440PSI	SAP EQ.NO:			1148404	1						
MANUFACTURER:	SPECIALIS	T SERVICES	MANUFACTURER SERIA	L NO:		FFZ-25	7						
LETT SIDE & RIGHT SIDE MINIMUM THICKNESS	44	ММ	LETT SIDE & RIGHT S CORROSION ALLOWA			3 MM							
SHELL NOMINAL THICKNESS	50	MM	SHELL CORROSION ALLOWA	NCE		3 MM							
NOMINAL THICKNESS		INSPECT	ION DETAILS	1105									
And a distance for a second se				:	240								
ecabrous surface.	120°	THICKNESS AT POSITION 240*	360*	MINIMUM	I THICKNESS	CORROSION ALLOWANCE	FINAL REMARKS						
LEFT SIDE A1	50.87	51.13	51.21										
LEFT SIDE A2 LEFT SIDE A3	51.42 51.65	50.12 51.79	51.84 51.14										
RIGHT SIDE B1	50.87	51.63	50.43	44	MM								
RIGHT SIDE B2	51.43 51.79	51.44	50.11	-									
RIGHT SIDE B3	51.79	51.78 THICKNESS AT POSITION	51.74										
ANGLE	120°	240°	360°	NOMINAL	THICKNESS	3 MM	SATISFACTORY						
SHELL C	50.19	49.14	49.09										
SHELL D SHELL E	49.17 49.95	49.18 50.77	49.25 49.66	-									
SHELL F	50.19	50.20	50.28	50	MM								
SHELL G	49.18	49.19	49.18										
SHELL H	49.31	49.30	49.21	1									
SHELLI	50.09	50.08	49.99 TION RESULT										
VT & MPI	Accepted	INSPECI		ING TO AST!	VI E709								
	-		ACCORDING to ASTM			r							
UT	Accepted	*** [77]					*						
BODY	Accepted		se Are The Actual Readings Ne	eu 10 Follow	As rer Manuf	acturing Date Boo	х.						
(MPI) The Above Item Has No Significa	nt Discontinuous At The Time Of	•	According To ASTM F709										
(MPI) The Above Item Has No Significa U.T-The Above Item Was Found A			According 10 AST NI E/09										
o.r the roove item was round A	INSPECTION EQUI	-			TEC	HNICAL DETAI	LS						
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White	MANUFACTURE	BATCH NO	EXPIRE DATE						
Digital Lux Meter	2722003	CAL DUE DATE	16-Oct-24	Contrast WCP- 2	Magnaflux	220602	JUN,2025						
WHITE LIGHT         2722003         CAL DUE DATE         16-Oct-24         Z         Magnatiux         220002         JUN,2025           UT THICKNESS GAUGE:         3997         CAL DUE DATE         14-Oct-24         Black         MANUFACTURE         BATCH NO         EXPIRE DATE													
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24	Magnetic Ink 7HF	Magnaflux	220605	JULY.2025						
ASTM Test Block:	1657	CAL DUE DATE			g-numux		,						
		CAL DOE DAIE	14-Oct-24	Fluorescent M	agnetic Ink 7HF	1.2 to	2.4 ml/100 ml						
WHITE LIGHT INTENSITY:	3680 lux		TU DV										
PERSON DE			SW BY										
INSPECTOR NAME:	M.Shakrad Ala	SENIOR INSPECTOR:	NAVEED HUSSAIN		CLIENT:								
QUALIFICATION:	ASNUT /2 O M T T PT 1	INSPECTION SUPERVISOR:	HANI ALI		HBASIGN								
QUALIFICATION: SIGNATURE & STAMP:	ASNUT ALLONITING	INSPECTION SUPERVISOR:	HANI ALI		HB&SIGN DATE:								

17025

180 14001

OHSAS 18001

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Basra, North Rumaila, Quality Control Yard - Iraq



#### CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

CLIENT:	HALLIB	ES WITH RECOGNIZED IN	REPOR			C-24-05-TSS-HALI	L-NDT-003			
LOCATION:		SPECTION TEST AREA	JOB	NO :	QC	-24-05-TSS-NDT	-HALL-007			
WORK ORDER #	3265	89883	SPECIEI	CATION:		ASTM E709 & AST				
INSPECTION DATE:		Iay 28, 2024	INSP. DU		Tuesday, May 27, 2025					
TYPE OF INSPECTION:		ISUAL AND MAGNETIC	PARTICLE INSPE	CTIUN AND ULTR	ASUNIC THICK	NESS GAUGINI				
DESCRIPTION:	SEPARATOR (		SAP E	Q.NO:	11484041					
MANUFACTURER:	SPECIALIS	T SERVICES	MANUFACTUR ECTION DETAILS	ER SERIAL NO:		FFZ-257				
	Brance To American Am		E		ADINGS IN MM AUM THICKNESS PROVI					
ANGLE		THICKNESS AT POS	SITION		(a) Normal condition	Uniterside (b) C Notes	Comoded consistent on barriers. orrowing participant on barriers warfings. Within gates barriers were and the second by neural surface.			
	0° 11.52	90°	180°	270°	ALLOWANCE					
A B	11.52	11.65 11.39	11.39 11.21	11.56 11.26						
C	11.37	11.39	11.72	11.20						
D	11.56	11.45	11.68	11.61						
E	11.44	11.52	11.44	11.51	3 MM	SATI	SFACTORY			
F	11.46	11.52	11.48	11.60						
G	11.63	11.67	11.79	11.70						
н	11.69	11.81	11.88	11.81						
I	10.28	10.30	10.34	10.27						
	r	INSF	PECTION RESULT							
VT & MPI	Accepted			ACCORDING TO A						
UT	Accepted			DING to ASTM E 797 & Ma						
BODY	Accepted		These Are The Actual I	Readings Need To Foll	ow As Per Manuf	facturing Date Bool	k			
(DI) The Above Item Has No Signific	ant Discontinuous At The Tin	-	ection Evaluation	STM F700						
IPI) The Above Item Has No Signific T-The Above Item Was Found A		-		5111 L/ J7						
					TECHNIC	CAL DETAILS				
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24		MANUFACTURE	BATCH NO	EXPIRE DATE			
Digital Lux Meter	2722003	CAL DUE DATE	14-Oct-24 16-Oct-24	White Contrast WCP-2		220602	JUN,2025			
WHITE LIGHT UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24		MANUFACTURE	BATCH NO	EXPIRE DATE			
				Black Magnetic Ink 7HF						
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY.2025			
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Mag	netic Ink 7HF	1.2 to	2.4 ml/100 ml			
WHITE LIGHT INTENSITY:	3680 lux		17117 837							
PERSON DE			IEW BY							
INSPECTOR NAME:	M.Shahzad Ahmod	SENIOR INSPECTOR:	NAVEED	HUSSAIN	CLIENT:					
	In Alexand									
QUALIFICATION:	SALL A DATATA	INSPECTION SUPERVISOR:	HAN	I ALI	HB&SIGN					

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Basra, North Rumaila, Quality Control Yard - Iraq



		ES WITH RECOGNIZED IN							
CLIENT:	HALLIB		REPOR		-	C-24-05-TSS-HALI			
LOCATION:	TSS WORKSHOP & IN	SPECTION TEST AREA	JOB	NO :	QC	-24-05-TSS-NDT-	-HALL-007		
WORK ORDER #	3265	89883	SPECIFIC	CATION:		ASTM E709 & AST	'M E 797		
INSPECTION DATE:	Tuesday, N	lay 28, 2024	INSP. DU	E DATE:	T	luesday, May 2	7, 2025		
TYPE OF INSPECTION:	l l	ISUAL AND MAGNETIC	PARTICLE INSPEC	CTION AND ULTR/	ASONIC THICKI	NESS GAUGING			
DESCRIPTION:	SEPARATOR	DIL OUT LINE	SAP EC	Q.NO:	11484041				
MANUFACTURER:	SPECIALIS	T SERVICES	MANUFACTURE	ER SERIAL NO:		FFZ-257			
ŧ ₩₩₩₩₽₽₽₽₽₽₽ I		G H		270 <b>←</b>	0	→ 90 90			
				* ALL RE/ **MINIM		DED BY CUSTMER und store Target Underson U			
ANGLE		THICKNESS AT POS		I	CORROSION ALLOWANCE	FIN	AL REMARKS		
A	0° 9.12	<b>90°</b> 9.21	180° 9.04	270° 9.07	ALLOWANCE				
В	8.91	9.21	9.04	9.07					
C	9.19	9.21	9.28	9.16					
D	9.16	9.25	9.28	9.10					
E	9.04	9.12	9.26	9.33	3 MM	SATT	SFACTORY		
F	9.28	9.34	9.30	9.42	5 101101	5711	SFACIORI		
G	9.23	9.27	9.39	9.30					
н	9.29	9.41	9.48	9.41					
1	8.79	8.81	8.85	8.78					
· ·			PECTION RESULT	0.70	I	I			
VT & MPI	Accepted			ACCORDING TO A	STM E709				
UT	Accepted		ACCORT	DING to ASTM E 797 & Ma					
	Accepted	*** T	These Are The Actual R				4		
BODY	Accepted		ection Evaluation	country need to Foll	110 I CI IVIdIIUI	acturing Date D001			
(MPI) The Above Item Has No Signific	ant Discontinuous At The Tim	•		STM E709					
U.T-The Above Item Was Found A				· · · ·					
	INSPECTION EQUIPMI	-			TECHNIC	CAL DETAILS			
-			14.0		r				
AC YOKE S.N: Digital Lux Meter	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE		
WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN,2025		
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink	MANUFACTURE	BATCH NO	EXPIRE DATE		
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24	7HF	Magnaflux	220605	JULY.2025		
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Mag	Magnetic Ink 7HF 1.2 to 2.4 ml/100 ml				
WHITE LIGHT INTENSITY:	3680 lux								
PERSON DE	TAILS	REV	IEW BY						
INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED I	IUSSAIN	CLIENT:				
QUALIFICATION:	SALE AUNTHON	INSPECTION SUPERVISOR:	HANI	ALI	HB&SIGN				
SIGNATURE & STAMP:	X Z				DATE:				
Original - Client Files Copy - A	rea Office QC/EN/PT/0	77 Rev.00 DATED 07.NO	V. 2021						





Basra, North Rumaila, Quality Control Yard - Iraq



	THIS REPORT COMPLI	ES WITH RECOGNIZED IN	NTERNATIONAL STAN			ENTS C-24-05-TSS-HALI	NIDT OOF
CLIENT:							
LOCATION:	TSS WORKSHOP & IN	SPECTION TEST AREA	JOBI	NO :	QC	-24-05-TSS-NDT	-HALL-007
WORK ORDER #	3265	89883	SPECIFIC	CATION:		ASTM E709 & AST	M E 797
INSPECTION DATE:	Tuesday, N	lay 28, 2024	INSP. DU	E DATE:	5	Fuesday, May 2	7, 2025
TYPE OF INSPECTION:	VI	SUAL AND MAGNETIC	PARTICLE INSPEC	CTION AND ULTR	ASONIC THICK	NESS GAUGIN	G
DESCRIPTION:	SEPARATOR W	ATER OUT LINE	SAP EG	Q.NO:		11484041	
MANUFACTURER:	SPECIALIS	T SERVICES	MANUFACTURI	ER SERIAL NO:		FFZ-257	
		INSP	ECTION DETAILS				
₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽	E	≖∰⊒=≕ <b>₽₽</b> ₩€≖∬	B B	* ALL REA	ADINGS IN MM UM THICKNESS PROVI		
					(a) Normal condition	Target Underside (b) C Real diffu scale	Conceled concelline oroseing present on back surface. cition siche baccome wide small by noue surface.
ANGLE	0°	THICKNESS AT POS 90°	180°	270°	CORROSION ALLOWANCE	FIN	AL REMARKS
А	7.12	7.24	7.08	7.15			
В	6.95	7.25	7.07	7.12			
C	7.18	7.26	7.31	7.19	3 MM	SATI	SFACTORY
D	7.16	7.25	7.28	7.21			
E	7.08	7.16	7.30	7.37			
F	7.27	7.33	7.29 PECTION RESULT	7.41			
VT & MPI	Accepted	IINDE	ECHON RESULT	ACCORDING TO A	STM F709		
UT	Accepted		ACCODE	DING to ASTM E 797 & Ma			
		*** ¶					
BODY	Accepted	_	These Are The Actual R ection Evaluation	caulings ineed 10 Foll	ow As rer Manuf	acturing Date Dool	
(MPI) The Above Item Has No Signific	ant Discontinuous At The Tim	-		ТМ Е709			
U.T-The Above Item Was Found A		-					
	INSPECTION EQUIPME	ENT DETAILS			TECHNIC	CAL DETAILS	
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24		MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter	2722003	White Contrast WCP-2	Magnaflux	220602	JUN,2025		
WHITE LIGHT UT THICKNESS GAUGE:	3997		MANUFACTURE	BATCH NO	EXPIRE DATE		
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	14-Oct-24 15-Oct-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025
					wagnantux	220003	JUL1.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Fluorescent Mag	netic Ink 7HF	1.2 to	2.4 ml/100 ml
WHITE LIGHT INTENSITY:	3680 lux						
	INTO A CONT	KEV	IEW BY				
PERSON DE		CENTOR INCOMOR	AT A TOPPOST	JT TOO A TNI	AT 1777		
INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED I		CLIENT:	-	
	M.Shahzad Ahmod	SENIOR INSPECTOR: INSPECTION SUPERVISOR:	NAVEED I HANI		CLIENT: HB&SIGN DATE:		







Basra, North Rumaila, Quality Control Yard - Iraq



LOCATION:         THE WORKSHOP & INSPECTION YEST AND.         JOB NO :         CC-24-05-TSCH01-HALL-007           WORK ORDER 4         37/0596983         SPECIFICATION:         ANH JOH A AND	CLIENT		ES WITH RECOGNIZED IN			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		NDT 000			
WORK ORDER +         JUSYNRMM         SPECIFICATION:         AJTH LEVA & STATUTE?           INSPECTION DATE:         Turenday, May 28, 2024         IRSP. DUE DATE:         Turenday, May 22, 2025           TYPE OF INSPECTION:         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHEL           MAINTRACTURER:         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHEL           MAINTRACTURER:         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHEL           FUEL         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHEL           FUEL         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHEL           FUEL         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHELS:           FUEL         SEPARATOR RELIE? LINE         SAP BOJNO:         IHESHELS:           FUEL         SEPARATOR RELIE? SEPARATOR RELIE? LINE         FUEL         INTERNAL           FUEL         SEPARATOR RELIE? LINE         FUEL         INTERNAL         INTERNAL           SEPARATOR RELIE? LINE         SEPARATOR RELIE? LINE         INTERNAL         INTERNAL           SEPARATOR RELIE? LINE         SEPARATOR RELIE? LINE         INTERNAL         INTERNAL           SEPARATOR RELIE? LINE         SEPARATOR RELIE? LINE         INTERNAL         INTERNAL	CLIENT:					-					
NENSECTION DATE         Tuesday. May 28, 20.24         NRS. DUE DATE         Tuesday. May 28, 20.24           TYPE OF INSPECTION         SEPARATOR RELIEF LINE         SAVE 20.05         I Iddevit           DESCRIPTION         SEPARATOR RELIEF LINE         SAVE 20.05         I Iddevit           MANUTACUERE         SEPARATOR RELIEF LINE         SAVE 20.05         I Iddevit           SERVICION DETAILS         SERVICION DETAILS         Proc.23           UNIDAL CUERE         SERVICION DETAILS         Proc.24           UNIDAL CUERE         SERVICION DETAILS         Proc.25           UNIDAL CUERE         SERVICION DETAILS         Proc.25           UNIDAL CUERE         SERVICION DETAILS         Proc.26           UNIDAL CUERE         SERVICION DETAILS         Proc.26         Proc.26           UNIDAL CUERE         SERVICION DETAILS         Proc.26 <t< th=""><th>LOCATION:</th><th>TSS WORKSHOP &amp; IN</th><th>SPECTION TEST AREA</th><th>JOBI</th><th>NO :</th><th>QC-</th><th>24-05-TSS-NDT</th><th>HALL-007</th></t<>	LOCATION:	TSS WORKSHOP & IN	SPECTION TEST AREA	JOBI	NO :	QC-	24-05-TSS-NDT	HALL-007			
TYPE OF INSPECTION       SUBJAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS EALDING         DISCRIPTION       SPRANTOR RELIEF LINE       SAP B2_NO.       1446441         MANNACTURER       SPECIALIST SERVICES       MANNACTURE RELIANCE       PFZ-27         DISCRIPTION       SPECIALIST SERVICES       MANNACTURE RELIANCE       PFZ-27         DISCRIPTION       SPECIALIST SERVICES       MANNACTURE RELIANCE       PFZ-27         OUTPOUND       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         MANNA COLURASE       THORESS AT POSING       THEORESS AT POSING       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         MANNA SECURES AT POSING       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         MANNE SECURES AT POSING       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES         MANNE SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECIALIST SERVICES       SPECI	WORK ORDER #	3265	89883	SPECIFIC	CATION:		ASTM E709 & AST	M E 797			
DESCRIPTION         SEPARATOR RELIEF INE SPECIALITY SERVICE         SAP EQ.NO:         114840-41           MANUFACTURER:         SPECIALITY SERVICE         MANUFACTURER: BANG         T72-27           INFERTION DEFAILS           UP (IF	INSPECTION DATE:	Tuesday, N	fay 28, 2024	INSP. DU	E DATE:	Tuesday, May 27, 2025					
MANUTIACTUREE     SPECIALIST SERVICES     MANUTIACTURE     PTZ-257       INSPECTION DEFAILS       INSPEC	TYPE OF INSPECTION:	VI	SUAL AND MAGNETIC	PARTICLE INSPEC	CTION AND ULTR	ASONIC THICK	NESS GAUGIN	G			
INSPECTION DETAILS           Image: colspan="2">Image: colspan="2" Colspa=	DESCRIPTION:	SEPARATOR	RELIEF LINE	SAP EC	Q.NO:	11484041					
B       C       D       D       C       D	MANUFACTURER:	SPECIALIS	T SERVICES	MANUFACTURE	R SERIAL NO:	FFZ-257					
B       C       D			INSP								
"MINUME WILD UNDER STATEMENT WILD UND	A A	C	E	-	270 🗲						
ARCLEorsgr180°270°ALLOWANCEPIAL REMARKSA9.679.769.649.669.669.669.669.669.679.529.609.839.71333M <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>DED BY CUSTMER</th><th></th></t<>							DED BY CUSTMER				
ARCLEorsgr180°270°ALLOWANCEPIAL REMARKSA9.679.769.649.669.669.669.669.669.679.529.609.839.71333M <t< th=""><th></th><th></th><th></th><th></th><th></th><th>Area of differences o</th><th>Target Underside (h) C</th><th>Area of offilment etch Commercial Commer</th></t<>						Area of differences o	Target Underside (h) C	Area of offilment etch Commercial Commer			
ororororororALLWARCEA9.679.769.649.669.679.62B9.359.659.479.523.MM3.MLC9.539.629.659.779.77D9.619.629.789.77F9.619.679.639.77D9.619.679.639.77T9.619.679.639.75COUNT DECISION DECISION TO STUTE TON RESULTCOUNT DECISION DECISION TO STUTE TONCOUNT DECISION DECISION TO STUTE TONTHE MARCE TON RECONSTUTE TON RESULTOTI Accepted COUNT DECISION TO STUTE TON RESULTDODYACCEPTED TO ACCEPTED TO RECONSTUTE TO THE ACCEPTED TO	ANGLE						FIN	AL REMARKS			
B9.359.659.479.52C9.529.609.839.71D9.539.629.659.58E9.489.569.709.77F9.619.679.639.77D9.619.679.639.77F9.619.679.639.77DAccepted $$						ALLOWANCE					
C9.529.609.839.7133MAD9.539.629.659.589.709.779.679.639.77F9.619.679.639.709.779.639.759.659.70F9.619.679.639.759.759.759.759.75T9.619.679.639.759.759.759.759.759.75T9.619.679.639.759.759.759.759.759.759.75TAcceptedAcce					-						
D9.539.629.659.589.589.589.709.709.77F9.619.679.639.709.779.639.759.619.67F9.619.679.639.759.759.759.759.759.75TISE CTION RESULTTISE CTION RESULTTISE COLSPANE A COORDING TO ASTME 797 8. Manufacturing Date BootUTAcceptedAcceptedAccepted Accounting to ASTME 797 8. Manufacturing Date BootBODYAcceptedAccepted Accounting To ASTME 797 8. Manufacturing Date BootUT The Above Item Has No Signification Constitutions At the Time Of Inspection And Found Acceptable Accounting To ASTME 797See Text NatureUT-The Above Item Mass Found - Exceptable As Per ASTME 797& Annufacturing Date BootTECHNICE CONSTITUTION EQUIPARTIESTECHNICE CONSTITUTION EQUIPARTIESTECHNICE CONSTITUTION EQUIPARTIESTISE PECTION EQUIPARTIESTECHNICE CONSTITUTION EQUIPARTIESTECHNICE CONSTITUTION EQUIPARTIESTECHNICE CONSTITUTION EQUIPARTIESTISE PECTION EQUIPARTIESTISE PECTION EQUIPARTIESTISE PECTION EQUIPARTIESTO Set TECHNICE CONSTITUTION EQUIPARTIESTISE PECTION EQUIPARTIESTISE PECTION EQUIPARTIESTISE PECTION EQUIPARTIESTISE PECTION EQUIPARTIES <td c<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
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MODY       Accepted       *** These are the Actual Readings Need To Follow As Per Manufacturing Date Book         BODY       Accepted       *** These Are the Actual Readings Need To Follow As Per Manufacturing Date Book         (MP) The Above Item Has No Significator Exonations at the Time Of Inspection And Found Acceptable According To ASTM Teres       Series Are the Actual Readings Need To Follow As Per Manufacturing Date Book         (MP) The Above Item Was Found - Expection SUBTOR Exonation       Wanufacturing Date Book       Expection Exonation         (MP) The Above Item Was Found - Expection And Found Acceptable According To ASTM Tere Move Item Was Found - Expection Exonation       Manufactures       Barch NO       Experime Date Subtor         (MP) The Above Item Was Found - Expection And Found Acceptable According To ASTM Tere Move Item Was Found - Expection And Found Acceptable As Per ASTM Tere Move Item Was Found - Expection Expection Date Bark       Item Association       Manufactures       Barch NO       Experime Date Bark         OUT THE LIGHT       201504052       GAL DUE DATE       14-Oct-24       Manufactures       Manufactures       Barch NO       Experime Date Bark         UT THE SECK:       NoBo5087       GAL DUE DATE       14-Oct-24       Manufactures       Manufactures       Barch NO       Experime Date Bark         UT THE SENCE:       NoBo5087       GAL DUE DATE       14-Oct-24       Planetsecht       Manufactures       Barch NO <t< td=""><td>VT &amp; MPI</td><td>Accepted</td><td></td><td></td><td>ACCORDING TO A</td><td>STM E709</td><td></td><td></td></t<>	VT & MPI	Accepted			ACCORDING TO A	STM E709					
Inspection Evaluation         (MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According To ASTM E793         U.T-The Above Item Was Found Acceptable As Per ASTM E 797 & Manufacturing Date Book         TECHNICAL DETAILS         TECHNICAL DETAILS         AC YOKE S.N:       201504052       CAL DUE DATE       14-Oct-24         Manufacturing       Date       16-Oct-24       Manufacturing       201002       JUN 2025         Digital Lax Meeer       201504052       CAL DUE DATE       14-Oct-24       Manufacturing       201002       JUN 2025         UT THICKNESS GAUGE:       3997       CAL DUE DATE       14-Oct-24       Manufacturing       Manufacturing       201002       JUN 2025         UT THEST ELOCK:       NoBo5087       CAL DUE DATE       15-Oct-24       Manufacturing       Manufacturing       JUL 2025       JUL 2025       JUL 2025       JUL 2025         ASTM Test Block:       1657       CAL DUE DATE       14-Oct-24       Black Magnaflux       20005       JUL 2025	UT	Accepted		ACCORE	DING to ASTM E 797 & Ma	nufacturing Date Book					
Method No Significant Discontinuous At the Time of Inspection And Found Acceptable According To ASTME TO EVALUATE Above Item Was Found Acceptable As Per ASTME 77 & Manufacturing Date Bove         U.T-The Above Item Was Found Acceptable As Per ASTME 77 & Manufacturing Date Bove         SPECTION EQUIPMENT DETAILS       TECHNICAL DETAILS         AA VOKE S.N.       201504052       CAL DUE DATE       14-Oct-24       Manufacturing Date Series         Digital Lax Meter       2722003       CAL DUE DATE       14-Oct-24       Manufacturing Date Series       Manufacturing Date Series         UT THE LIGHT       2722003       CAL DUE DATE       14-Oct-24       Manufacturing Date Series         Manufacture	BODY	Accepted	*** ]	These Are The Actual R	leadings Need To Foll	ow As Per Manufa	cturing Date Book	2			
U.TThe Above Item Was Found Acceptable As Per ASTM E 797 & Manufacturing Date Book           INSPECTION EQUIPMENT DETAILS         TECHNICAL DETAILS           AC YOKE S.N:         201504052         CAL DUE DATE         14-Oct-24         Mahufacturing         MANUFACTURE         BATCH NO         EXPIRE DATE           Digital Lux Meter         2722003         CAL DUE DATE         14-Oct-24         Mahufacturing         Manufacturing         20002         JUN,2025           UT THICKNESS GAUGE:         3997         CAL DUE DATE         14-Oct-24         Black Magnetic Ink         Manufacturing         EXPIRE DATE           UT TEST BLOCK:         NoBo5087         CAL DUE DATE         14-Oct-24         Black Magnetic Ink         Magnaflux         220602         JULY.2025           ASTM Test Block:         1657         CAL DUE DATE         14-Oct-24         Black Magnetic Ink         Magnaflux         220605         JULY.2025           WHITE LIGHT INTENSITY:         3680 lux         Interest Block:         1657         CAL DUE DATE         14-Oct-24         Fluorescent Magnetic Ink 7HF         1.2 to 2.4 mJ/100 ml           PERSON DETAILS         REVIEW BY         Senior InSPECTOR:         NAVEED HUSSAIN         CLERF:         1.2 to 2.4 mJ/100 ml           OUALIFICATION:         Senior In SPECTION:         INSPECTION:         INSPECTI			Inspe	ection Evaluation							
NSPECTION EQUIPMENT DETAILS       TECHNICAL DETAILS         AC YOKE S.N:       201504052       CAL DUE DATE       14-Oct-24       Manufacture       BATCH NO       EXPIRE DATE         Digital Lax Meter       2722003       CAL DUE DATE       16-Oct-24       Manufacture       Manufacture       BATCH NO       EXPIRE DATE         Digital Lax Meter       2722003       CAL DUE DATE       16-Oct-24       Manufacture       Manufacture       BATCH NO       EXPIRE DATE         UT THICKNESS GAUGE:       3997       CAL DUE DATE       14-Oct-24       Back Magnetic Ith       Manufacture       BATCH NO       EXPIRE DATE         UT TEST BLOCK:       NoBo5087       CAL DUE DATE       15-Oct-24       Manufacture       Manufacture       BATCH NO       EXPIRE DATE         WHITE LIGHT INTENSITY:       3680 lux       CAL DUE DATE       14-Oct-24       Pluorescent Magnaflux       220605       JULY 2025         PERSON DETAILS       REFUEW BY       Pluorescent Magnaflux       CLEPT:       L2 to 24 mJ/100 ml         OUALIFICATION:       MSPECTION SUPERVISOR:       NAVED HUSAIN       CLEPT:       Bassion         SIGNATURE & STAMP:       MSPECTION SUPERVISOR:       HANIL       Date:       Date:	(MPI) The Above Item Has No Significa	ant Discontinuous At The Tim	e Of Inspection And Found Acc	eptable According To AS	TM E709						
AC YOKE S.N:       201504052       CAL DUE DATE       14-Oct-24       ManuFACTURE       BATCH NO       EXPIRE DATE         Digital Lux Meter WHITE LIGHT       2722003       CAL DUE DATE       16-Oct-24       Magnaflux       220602       JUN,2025         UT THCKNESS GAUGE:       3997       CAL DUE DATE       14-Oct-24       Back Magnetic Ink       ManuFACTURE       BATCH NO       EXPIRE DATE         UT THST BLOCK:       NoBo5087       CAL DUE DATE       15-Oct-24       Magnaflux       220602       JULY.2025         ASTM Test BLOCK:       NoBo5087       CAL DUE DATE       14-Oct-24       Magnaflux       220605       JULY.2025         MHITE LIGHT INTENSITY:       3680 lux       CAL DUE DATE       14-Oct-24       Processent Magnetic Ink 7HF       120605       JULY.2025         WHITE LIGHT INTENSITY:       3680 lux       CAL DUE DATE       14-Oct-24       Processent Magnetic Ink 7HF       12-5-5-5-2-4       Magnaflux       220605       JULY.2025         WHITE LIGHT INTENSITY:       3680 lux       CAL DUE DATE       14-Oct-24       Processent Magnetic Ink 7HF       12-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	U.T-The Above Item Was Found A	cceptable As Per ASTM E 79	7 & Manufacturing Date Bo	ok							
Digital Lux Meter WHITE LIGHT2722003CAL DUE DATE16-Oct-24White Contrast WCP MagnafluxMagnaflux220602JUN,2025UT THICKNESS GAUGE:3997CAL DUE DATE14-Oct-24Black Magnetic In THFMagnaflux220605JUN,2025UT TEST BLOCK:NoBo5087CAL DUE DATE15-Oct-24Magnaflux220605JULY.2025ASTM Test Block:1657CAL DUE DATE15-Oct-24Magnaflux220605JULY.2025MHITE LIGHT INTENSITY:3680 lux16-Oct-24Pruorescent May PartPruorescent May PartN-PPERSON DETATIONSENIOR INSPECTOR:NAVEED WCLIENT:SCHIPTSENIOR INSPECTOR:SCHIPTQUALIFICATION:SATA 9 # N 7INSPECTION SUPERVISOR:HALLBlaestonSIBAstonSIGNATURE & STAMP:SIGNATURE & STAMP:SCHIPTSIGNATURE & STAMP:SIGNATURESIGNATURE		INSPECTION EQUIPMI	ENT DETAILS			TECHNIC	CAL DETAILS				
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UT THCKNESS GAUCE:3997CAL DUE DATE14-Oct.24MANUPACTUREMATCHTER </td <td></td> <td>2722003</td> <td>CAL DUE DATE</td> <td>16-Oct-24</td> <td>Winte Contrast w GP-2</td> <td>Magnaflux</td> <td>220602</td> <td>JUN,2025</td>		2722003	CAL DUE DATE	16-Oct-24	Winte Contrast w GP-2	Magnaflux	220602	JUN,2025			
UT TEST BLOCK:     NoBo5087     CAL DUE DATE     15-Oct-24     7HF     Magnaflux     220605     JULY.2025       ASTM Test Block:     1657     CAL DUE DATE     14-Oct-24     Huorescent Magnaflux     220605     JULY.2025       WHITE LIGHT INTENSITY:     3680 lux     0     PERSON DETAILS     SENIOR INSPECTOR:     NAVEEW BY       INSPECTOR NAME:     M.Shabzad Abmo1     SENIOR INSPECTOR:     NAVEEW HY     CLIENT:     SENIOR       QUALIFICATION:     SAVE Jeen To get N 72     INSPECTION SUPERVISOR:     HANI I     HBBASIGN     HBBASIGN       SIGNATURE & STAMP:     SIGNATURE & STAMP:     JATE:     DATE:     JATE:		3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink	MANUFACTURE	BATCH NO	EXPIRE DATE			
Image: constraint of the state of the sta	UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY.2025			
Image: constraint of the state of the st	ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24							
PERSON DETAILS     REVEW BY       INSPECTOR NAME:     M.Shahzad Ahmali     SENIOR INSPECTOR:     NAVEED HUSSAIN     CLENT:       QUALIFICATION:     SATE as that that that that that that that t	WHITE LIGHT INTENSITY:	3680 lux			Fluorescent Mag	netic Ink 7HF	1.2 to	2.4 ml/100 ml			
INSPECTOR NAME:     M.Shahzad Ahmel     SENIOR INSPECTOR:     NAVEED HUSSAIN     CLENT:       QUALIFICATION:     SAVE     III & FN 7 5     INSPECTION SUPERVISOR:     HANI ALI     HBASIGN       SIGNATURE & STAMP:     DATE:			REV	IEW BY							
QUALIFICATION:     SALE     INSPECTION SUPERVISOR:     HANI ALI     HBESIGN       SIGNATURE & STAMP:     JATE:		A ANDER STAR			IUSSAIN	CLIENT:					
SIGNATURE & STAMP: DATE:	1			HANI	ALI	HB&SIGN					
		6 1/s/									
Original - Client Files Copy - Area Office OC/PN/PT/077 Rev.00 DATED 07.NOV. 2021		rea Office Since Office NUDT OF		2021		DAIE:					







Basra, North Rumaila, Quality Control Yard - Iraq



CLIENT:	THIS REPORT COMPLIE HALLIBU	ES WITH RECOGNIZED IN	TERNATIONAL STAN			ENTS C-24-05-TSS-HALL	-NDT-007							
LOCATION:	TSS WORKSHOP & IN		JOBI			-24-05-TSS-NDT-								
LOCATION:		SFECTION TEST AREA	NO .		-24-05-155-101-	TIALE-007								
WORK ORDER #	32658	39883	SPECIFIC	CATION:		ASTM E709 & AST	M E 797							
INSPECTION DATE:	Tuesday, M		INSP. DU			Fuesday, May 27								
TYPE OF INSPECTION:	V	ISUAL AND MAGNETIC	PARTICLE INSPEC	CTION AND ULTRA	ASONIC THICK	NESS GAUGING								
DESCRIPTION:	SEPARATOR	INLET LINE	SAP EC	Q.NO:		11484041								
MANUFACTURER:	SPECIALIS"	Γ SERVICES	MANUFACTURI	ER SERIAL NO:		FFZ-257								
		INSP:	ECTION DETAILS											
					ADINGS IN MM IUM THICKNESS PROVI									
		VS‡0			(a) Normal condition	Underside (b) Ce Potes sector	Conceled controlling remote provide an all the remote present on back surface. tion esho become wide small by on surface.							
ANGLE         CORROSION 0°         CORROSION 90°         CORROSION 180°         CORROSION ALLOWANCE         FINAL REMARKS														
A	9.12	9.19	9.07	9.09										
В	8.90	9.22	9.04	9.55	3 MM	SATT	SFACTORY							
C	9.31	9.43	9.26	9.14	3 101101	3411	GFACIORI							
D	8.91	9.00	9.03	8.96										
	T	INSP	ECTION RESULT											
VT & MPI	Accepted			ACCORDING TO A										
UT	Accepted			DING to ASTM E 797 & Ma	-									
BODY	Accepted		hese Are The Actual R	Readings Need To Foll	ow As Per Manuf	acturing Date Book								
(MPI) The Above Item Has No Significa	nt Discontinuous At The Time	-	ection Evaluation	M E709										
U.T-The Above Item Was Found Ad		-	. 0											
	INSPECTION EQUIPME				TECHNI	CAL DETAILS								
AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24		MANUFACTURE	BATCH NO	EXPIRE DATE							
Digital Lux Meter	2722003	CAL DUE DATE	16-Oct-24	White Contrast WCP-2	Magnaflux	220602	JUN,2025							
WHITE LIGHT	BATCH NO	EXPIRE DATE												
	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE									
UT THICKNESS GAUGE: UT TEST BLOCK:		CAL DUE DATE	15-Oct-24	711	JULY.2025									
UT THICKNESS GAUGE:	NoBo5087 1657	CAL DUE DATE	15-Oct-24 14-Oct-24	7111	Magnaflux	220605	JULY.2025							
UT THICKNESS GAUGE: UT TEST BLOCK: ASTM Test Block:	NoBo5087 1657		15-Oct-24 14-Oct-24	- Fluorescent Mag			JULY.2025 2.4 ml/100 ml							
UT THICKNESS GAUGE: UT TEST BLOCK: ASTM Test Block: WHITE LIGHT INTENSITY:	NoBo5087 1657 3680 lux	CAL DUE DATE	14-Oct-24											
UT THICKNESS GAUGE: UT TEST BLOCK: ASTM Test Block: WHITE LIGHT INTENSITY: PERSON DET	NoBo5087 1657 3680 lux TAILS	CAL DUE DATE		- Fluorescent Mag										
UT THICKNESS GAUGE: UT TEST BLOCK: ASTM Test Block: WHITE LIGHT INTENSITY:	NoBo5087 1657 3680 lux	CAL DUE DATE	14-Oct-24	Fluorescent Mag	netic Ink 7HF									









C	CERTIF	ICA	TION OF	VISU	Al, T	HORO	UGH	EXAM	INATON	1&1	MAG	NETIC P.	ARTICLE IN	ISPECTION
Clien	nt:		1	HALLIBURT	ON (TSS)			Rep	ort No:				QC-24-05-TSS-NDT-0	08
Locati	on:		TSS WORKS	HOP & INSP	ECTION '	TEST AREA		WOR	K ORDER	326589883				
Inspection	n Date:			Гuesday, May	7 28, 2024			Next Ins	pection Date:				Tuesday, May 27, 202	5
Type Of Ins	spection:	VISU	JAL , THOROUGH EXA	MINATION &	MAGNETI	C PARTICLE IN	SPECTION	Speci	ification:			ASTM E709 & .	ASTM E 1444 (2016) ASMI	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			3" BALON VA	LVE 600
									UNIT S/N:				8 FM0	2
				5	-			SI	PARATOR SAP	NO:			114840	41
			1 5-		0	-						INSPECTIO	N RESULT :	
		-		-				VISUA	L , THOROUGH EX	(AMINA	TION		ETIC PARTICLE INSPECT AILABLE AREAS FOR TH	ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
	1				Z	9		MAG	NETIC PARTICLE I	NSPECTI	ON		Avaliable critical and found free from cra	-
	0	1							FINAL RESUL	TS		т	HE ABOVE INSPECTED A	REAS WAS ACCEPTED
								COMMENT: Magne		ction Wi	ith A/C Han	d Yoke , Black & V	Vhite Contrast	
			EQUIPME	NT DETAI	LS			-	F	PERSO	N DETAII	.S		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lux	Meter	Equipment	: A	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		Inv	Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	27220	03	S.No:	2	01504052			131	T		
Cal Due Date:	14-0ct-2	4	Cal Due Date:	16-0ct	-24	Cal Due Date	e: 1	4-0ct-24	QUALIFICAT	ION		A DAROL	SUPERVISOR:	HANI ALI
Black Magnetic	c Ink Manufact	ure:	Magnaflux	Batch No	2206	05 Expiry l	Date:	JULY.2025	ASNT LEVE		( Dy	- Te	SUPERVISOR:	HANI ALI
Whie Contrast I	Paint Manufact	ure:	Magnaflux	Batch No	2206	02 Expiry l	Date:	JUN,2025				Huringerin's		
market 1	D. ( . 1).	Magne	tic Partical Concenti	ation	Meth	od	WMPT L	ight Intensity	ensity STAMP &			- Guier	CLIENT:	
Technical I	Details:		1.2 to 2.4 ml/100 ml	Wet	Magnetic Pa (WM	article Testing	36	520 Lux	SIGNATUR	E:	-			
Original - C	Client Files	Co	ppy - Area Office	(	2C/FN/MP	I/065 Rev.00	DATED	07 Nov 2021						



iila, Al Takamul Yard



	it:	Н	ALLIBURTON (TS	SS)	Re	ort No:			QC-24-05-TSS-NDT-0	09
Locatio	on:	TSS WORKSH	HOP & INSPECTIO	N TEST AREA	WOR	K ORDER		326589883		
Inspection	n Date:	Т	Tuesday, May 28, 20	24	Next Ins	pection Date:	5			
Type Of Ins	pection: V	ISUAL , THOROUGH EXAN	MINATION & MAGNE	TIC PARTICLE INSP	ECTION Spec	ification:		ASTM E709 & .	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
					τ	NIT DESCRIPTI	ON:		3" BALON VA	ALVE 600
						UNIT S/N:			1 FM	R
			5		S	EPARATOR SAP	NO:		114840	41
	0	100	0					INSPECTIO	N RESULT :	
	0				VISUA	L , THOROUGH EX	AMINATION			ION ( M.P.I. ) HAD BEEN DONEON TH HE ABOVE DESCRIPTION
			13 2		MAG	NETIC PARTICLE IN	ISPECTION		Avaliable critical and found free from cra	•
						FINAL RESULT	S	т	HE ABOVE INSPECTED A	AREAS WAS ACCEPTED
					COMMENT Magne	:		T and Yoke , Black & V		AREAS WAS ACCEPTED
		EQUIPMEN	NT DETAILS			: tic Particle Inspec		and Yoke , Black & V		AREAS WAS ACCEPTED
Equipment:	AC-Yoke Test Block		NT DETAILS Digital Lux Meter	Equipment:		tic Particle Inspec	tion With A/C H ERSON DETA	and Yoke , Black & V		
Equipment: S.No:	AC-Yoke Test Block 1657			Equipment: S.No:	Magne	tic Particle Inspec	tion With A/C H ERSON DETA	and Yoke , Black & V	Vhite Contrast	REVIEW BY
		Equipment:	Digital Lux Meter		Magne AC/DC Yoke	tic Particle Inspec P INSPECTOR NA M.Shahzad Ahu	tion With A/C H ERSON DETA ME: ned	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN
S.No: Cal Due Date:	1657	Equipment: S.No:	Digital Lux Meter 2722003 16-Oct-24	S.No:	Magne AC/DC Yoke 201504052 14-Oct-24	tic Particle Inspec P INSPECTOR NA M.Shahzad Ahr QUALIFICATI ASNT LEVEL	tion With A/C H ERSON DETA ME: ned ON II	and Yoke , Black & V	Vhite Contrast	REVIEW BY
S.No: Cal Due Date: Black Magnetic	1657 14-0ct-24	Equipment:       S.No:       Cal Due Date:	Digital Lux Meter 2722003 16-Oct-24 Batch No: 22	S.No: Cal Due Date:	Magne AC/DC Yoke 201504052 14-Oct-24 te: JULY.2025	tic Particle Inspec P INSPECTOR NA M.Shahzad Ahu QUALIFICATI	tion With A/C H ERSON DETA ME: ned ON II	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN
S.No: Cal Due Date: Black Magnetic	1657 14-Oct-24 c Ink Manufacture: Paint Manufacture: Mag	   	Digital Lux Meter           2722003           16-0ct-24           Batch No:         22           Batch No:         22	Cal Due Date:       0605       Expiry Date:       0602	Magne AC/DC Yoke 201504052 14-Oct-24 te: JULY.2025	tic Particle Inspec P INSPECTOR NA M.Shahzad Ahr QUALIFICATI ASNT LEVEL	tion With A/C H ERSON DET/ ME: ned ON II 'T	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN



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C	ERTIF	ICA	TION OF	VISU	J <mark>Al,</mark> T	HORO	UGH	EXAM	INATON	1&1	MAGNETIC 1	PARTICLE IN	NSPECTION	
Client	t:		1	HALLIBUR'	TON (TSS	)		Rep	oort No:			QC-24-05-TSS-NDT-0	10	
Locatio	on:		TSS WORKS	HOP & INS	SPECTION	TEST AREA		WOR	K ORDER					
Inspection	Date:			Гuesday, Ma	ay 28, 2024	4		Next Ins	pection Date:	pection Date: Tuesday, May 27, 2025				
Type Of Insj	pection:	VISU	AL , THOROUGH EXA	MINATION	& MAGNET	IC PARTICLE IN	SPECTION	Spec	ification:		ASTM E709	& ASTM E 1444 (2016) ASM	E V Article 7 (2019)	
								υ	NIT DESCRIPTI	ON:		3" BALON VA	ALVE 600	
									UNIT S/N:			0 FM	N	
					-			SI	EPARATOR SAP	941				
			115	A.	0						INSPECTI	ON RESULT :		
		-						VISUA	L , THOROUGH EX	AMINAT		NETIC PARTICLE INSPECT AVAILABLE AREAS FOR TI	TION ( M.P.I. ) HAD BEEN DONEON THE HE ABOVE DESCRIPTION	
				19	Z	9		MAG	NETIC PARTICLE I	NSPECTIC	N	Avaliable critical and found free from cra	•	
	0	1							FINAL RESUL	TS		THE ABOVE INSPECTED	AREAS WAS ACCEPTED	
								COMMENT: Magne		ction Wit	' th A/C Hand Yoke , Black &	White Contrast		
			EQUIPME	NT DETA	ILS				F	PERSON	I DETAILS		REVIEW BY	
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lu	ux Meter	Equipment	: AC	/DC Yoke	INSPECTOR NA M.Shahzad Ah		Bul Compan.	SENIOR INSPECTOR:	NAVEED HUSSAIN	
S.No:	1657		S.No:	2722	2003	S.No:	20	1504052	M.Shanzau An	incu	IS AND			
Cal Due Date:	14-0ct-24	4	Cal Due Date:	16-0	ct-24	Cal Due Dat	e: 1	4-0ct-24	QUALIFICAT		The states of	SUPERVISOR:	HANI ALI	
Black Magnetic	Ink Manufact	ure:	Magnaflux	Batch N	i <b>o:</b> 2206	605 Expiry	Date:	ULY.2025 QUALIFICAT		10	(W) 200	SUFERVISOR:	TANI ALI	
Whie Contrast P	aint Manufact	ure:	Magnaflux	Batch N	io: 2206	602 Expiry	Date:	JUN,2025	MT & PT & VT					
m dat 15		Magnet	tic Partical Concentr	ation	Met	hod	WMPT Li	ght Intensity	STAMP &		1	CLIENT:		
Technical D	etalls:	:	1.2 to 2.4 ml/100 ml	We	et Magnetic P (WM	Particle Testing	36	20 Lux	SIGNATUR	E:				
Original - Cl	lient Files	Со	py - Area Office	1		PI/065 Rev.00	DATED (	07 Nov 2021						



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		CATIO				ORO	JGH			<b>1 &amp; 1</b>	MAGNETI	C P		ISPECTION
Client	-			LLIBURTON	× /			-	ort No:				QC-24-05-TSS-NDT-0	11
Locatio			TSS WORKSHO			ST AREA			ORDER 326589883					
Inspection	Date:		Tue	esday, May 28	, 2024			Next Insp	pection Date:				Tuesday, May 27, 202	5
Type Of Insp	ection:	VISUAL, TH	OROUGH EXAMI	NATION & MA	GNETIC P	ARTICLE INS	PECTION	Speci	ification:		ASTM I	709 &	ASTM E 1444 (2016) ASMI	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			3" BALON VA	LVE 600
									UNIT S/N:				1 FMC	2
		~	-	E				SE	PARATOR SAP	NO:			114840	41
				1	2	-					INSP	ECTIO	N RESULT :	
	-							VISUAI	L , THOROUGH EX	AMINAT	ION VISUAL &		ETIC PARTICLE INSPECT /AILABLE AREAS FOR TH	ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
			1					MAGI	NETIC PARTICLE II	NSPECTIC	N		Avaliable critical a and found free from cra	•
	0	1							FINAL RESUL	TS		1	THE ABOVE INSPECTED A	REAS WAS ACCEPTED
								COMMENT: Magnet		ction Wit	: h A/C Hand Yoke , Bl	ack & V	Vhite Contrast	
			EQUIPMENT	DETAILS					F	PERSON	I DETAILS			REVIEW BY
Equipment:	AC-Yoke Test B	lock Equ	uipment:	Digital Lux Me	ter	Equipment:	AC,	/DC Yoke	INSPECTOR NA M.Shahzad Ah		smul Compa	$\sim$	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	2722003		S.No:	20	1504052			IS NOT	1		
Cal Due Date:	14-0ct-24	Cal	Due Date:	16-0ct-24		Cal Due Date	: 14	-0ct-24	QUALIFICAT	ION	The second	201	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufactu	re: M	agnaflux	Batch No:	220605	Expiry D	ate: J	ULY.2025	ASNT LEVEL		( Street	713	SOI ERVISOR.	
Whie Contrast Pa	aint Manufactu	re: M	agnaflux	Batch No:	220602	Expiry D	ate:	JUN,2025	MT & PT &	For Invinaet				
		lagnetic Part	tical Concentrati	on	Method	l	WMPT Lig	ht Intensity	Intensity STAMP &				CLIENT:	
Technical De	etails:	1.2 to 2	.4 ml/100 ml	Wet Mag		cle Testing	362	0 Lux	SIGNATUR		-			
		Copy - Ar			(WMPT)	65 Rev.00	DATED 0							



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		[CA				HORO	UGH			1&1	MAGN	NETIC P.		ISPECTION
Client				HALLIBURTC	× /				ort No:				QC-24-05-TSS-NDT-0	12
Locatio			TSS WORKS			EST AREA			<b>K ORDER</b> 326589883					
Inspection	Date:		]	Гuesday, May	28, 2024			Next Ins	pection Date:				Tuesday, May 27, 202	5
Type Of Insp	pection:	VISUA	AL , THOROUGH EXA	MINATION & M	MAGNETIC	PARTICLE IN	SPECTION	Speci	ification:			ASTM E709 & .	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			3" BALON VA	ALVE 600
									UNIT S/N:				0 FM	J
				E.				SI	PARATOR SAP	NO:			114840	41
			1 5-	110	0							INSPECTIO	N RESULT :	
		-						VISUA	L , THOROUGH EX	AMINAT	TION			ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
				6	2	9		MAG	NETIC PARTICLE I	NSPECTIC	ON		Avaliable critical and found free from cra	•
	0	1							FINAL RESUL	TS		т	HE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magne	tic Particle Inspe	ction Wi	ith A/C Hand	Yoke , Black & V	Vhite Contrast	
			EQUIPME	NT DETAIL	S			-	F	PERSON	N DETAIL	S		REVIEW BY
Equipment:	AC-Yoke Test I	Block	Equipment:	Digital Lux	Meter	Equipment	: A	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		umul	Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	272200	)3	S.No:	2	01504052			151	10		
Cal Due Date:	14-0ct-24	ŀ	Cal Due Date:	16-0ct-	24	Cal Due Date	<b>e:</b> 1	4-0ct-24	QUALIFICAT	ION		120 to a	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufactu	ire:	Magnaflux	Batch No:	22060	5 Expiry I	Date:	JULY.2025	ASNT LEVE		Cor !!	6		
Whie Contrast Pa	aint Manufactu	ıre:	Magnaflux	Batch No:	22060	2 Expiry I	Date:	JUN,2025	MT & DT & V		Thor I	Le E		
		Magnet	ic Partical Concentr	ation	Metho	od	WMPT L	ight Intensity	t Intensity STAMP &			- Sent	CLIENT:	
Technical De	etails:	1	2 to 2.4 ml/100 ml	Wet M		rticle Testing	36	20 Lux	SIGNATUR		-			
	Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 No													



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C	ERTIF	ICA	TION OF	VISUA	<b>\1,</b> TI	HORO	UGH	EXAM	INATON	1&1	MAG	NETIC P	ARTICLE IN	ISPECTION
Clien	it:		H	HALLIBURTC	DN (TSS)			Rep	ort No:				QC-24-05-TSS-NDT-0	13
Locati	on:		TSS WORKS	HOP & INSPE	ECTION 1	TEST AREA		WOR	K ORDER				326589883	
Inspection	n Date:		1	Гuesday, May	28, 2024			Next Ins	pection Date:				Tuesday, May 27, 202	5
Type Of Ins	pection:	VISU	AL , THOROUGH EXA	MINATION & M	MAGNETIC	C PARTICLE IN	SPECTION	Speci	ification:			ASTM E709 &	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			3" BALON VA	LVE 600
									UNIT S/N:				9 FM0	2
				5	-			SE	PARATOR SAP	NO:			114840	41
			1 5-	2	0							INSPECTIO	N RESULT :	
		-		-	3)			VISUA	L , THOROUGH E)	(AMINA	TION		IETIC PARTICLE INSPECT /AILABLE AREAS FOR TH	ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
				13	ž	9		MAG	NETIC PARTICLE I	NSPECTI	ON		Avaliable critical and found free from cra	•
	0	1							FINAL RESUL	TS		т	THE ABOVE INSPECTED A	REAS WAS ACCEPTED
								COMMENT: Magne		ction Wi	ith A/C Han	d Yoke , Black & V	White Contrast	
			EQUIPME	NT DETAIL	S				H	PERSO	N DETAII	ſS		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lux	Meter	Equipment	: A(	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		Int	Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	272200	)3	S.No:	20	1504052	M.Shanzau An	meu		T		
Cal Due Date:	14-0ct-24	1	Cal Due Date:	16-0ct-2	24	Cal Due Date	. 1	4-0ct-24	QUALIFICAT	ION		A DAROL	SUPERVISOR:	HANI ALI
Black Magnetic	: Ink Manufact	ure:	Magnaflux	Batch No:	22060	05 Expiry I	Date:	JULY.2025	ASNT LEVE		1009	- Te	JUF ERVISOR:	FIANI ALI
Whie Contrast I	Paint Manufact	ure:	Magnaflux	Batch No:	22060	02 Expiry I	Date:	JUN,2025	MT & PT &	VT	Tion I	Horineering	1	
Magnetic Partical Concentration Method WMPT Ligh						ght Intensity	Or ngineerite							
Technical I	Jetalls:	1	1.2 to 2.4 ml/100 ml	Wet M	lagnetic Pa (WMP	rticle Testing	36	20 Lux	SIGNATUR	E:				
Original - C	lient Files	Co	py - Area Office	Q	C/FN/MPI	I/065 Rev.00	DATED (	07 Nov 2021						



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	t:	H	ALLIBURTON (TS	SS)	Re	port No:			QC-24-05-TSS-NDT-0	14
Locatio	on:	TSS WORKSH	OP & INSPECTION	N TEST AREA		K ORDER			326589883	
Inspection	Date:	Тι	uesday, May 28, 202	24	Next In	pection Date:			Tuesday, May 27, 202	25
Type Of Ins	pection: VI	SUAL , THOROUGH EXAM	INATION & MAGNE	TIC PARTICLE INSP	PECTION Spec	ification:		ASTM E709 & 2	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
					1	NIT DESCRIPTI	ON:		3" BALON VA	ALVE 600
						UNIT S/N:			3 FM0	۵
			E ST		S	EPARATOR SAP	NO:		114840	941
	2 .	1 50	0					INSPECTIO	N RESULT :	
	0				VISUA	L , THOROUGH EX	AMINATION			TION ( M.P.I. ) HAD BEEN DONEON TH HE ABOVE DESCRIPTION
			1 2	-	MAG	NETIC PARTICLE IN	ISPECTION		Avaliable critical and found free from cra	-
						FINAL RESULT	'S	т	HE ABOVE INSPECTED A	AREAS WAS ACCEPTED
					COMMENT	:		T and Yoke , Black & V		AREAS WAS ACCEPTED
		EQUIPMEN	IT DETAILS			: tic Particle Inspec		and Yoke , Black & V		AREAS WAS ACCEPTED
Equipment:	AC-Yoke Test Block		<b>T DETAILS</b> Digital Lux Meter	Equipment:		: tic Particle Inspec P INSPECTOR NA	tion With A/C H ERSON DETA	and Yoke , Black & V		
Equipment: S.No:	AC-Yoke Test Block 1657			Equipment: S.No:	Magn	: tic Particle Inspec	tion With A/C H ERSON DETA	and Yoke , Black & V	Vhite Contrast	REVIEW BY
• •		Equipment:	Digital Lux Meter		Magne	: tic Particle Inspec P INSPECTOR NA M.Shahzad Ah	tion With A/C H ERSON DETA ME: ned	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN
S.No: Cal Due Date:	1657	Equipment: S.No:	Digital Lux Meter 2722003 16-Oct-24	S.No:	Magne AC/DC Yoke 201504052 14-Oct-24	: tic Particle Inspec INSPECTOR NA M.Shahzad Ahi QUALIFICATI ASNT LEVEI	tion With A/C H ERSON DETA ME: ned ON	and Yoke , Black & V	Vhite Contrast	REVIEW BY
S.No: Cal Due Date: Black Magnetic	1657 14-Oct-24	Equipment: S.No: Cal Due Date:	Digital Lux Meter 2722003 16-Oct-24 Batch No: 220	S.No: Cal Due Date:	Magnet AC/DC Yoke 201504052 14-Oct-24 tte: JULY.2025	: ttic Particle Inspec INSPECTOR NA M.Shahzad Ahu QUALIFICATI	tion With A/C H ERSON DETA ME: ned ON	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN
S.No: Cal Due Date: Black Magnetic	1657 14-Oct-24 : Ink Manufacture: Paint Manufacture: Mag	Equipment:       S.No:       Cal Due Date:       Magnaflux	Digital Lux Meter           2722003           16-0ct-24           Batch No:         220           Batch No:         220	Cal Due Date:       06005     Expiry Date:       06002     Expiry Date:	Magnet AC/DC Yoke 201504052 14-Oct-24 tte: JULY.2025	: tic Particle Inspec INSPECTOR NA M.Shahzad Ahi QUALIFICATI ASNT LEVEI	tion With A/C H ERSON DETA ME: ned ON .II /T	and Yoke , Black & V	Vhite Contrast SENIOR INSPECTOR:	REVIEW BY NAVEED HUSSAIN



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C	ERTIF	ICA	TION OF	VISUA	<b>1, T</b>	HORO	UGH	EXAM	INATON	1&1	MAG	NETIC P.	ARTICLE IN	ISPECTION
Clien	ıt:		I	HALLIBURTC	DN (TSS)			Rep	ort No:				QC-24-05-TSS-NDT-0	15
Locati	on:		TSS WORKS	HOP & INSPI	ECTION 7	TEST AREA		WOR	K ORDER				326589883	
Inspection	n Date:		1	Гuesday, May	28, 2024			Next Insp	pection Date:				Tuesday, May 27, 202	5
Type Of Ins	pection:	VISU.	AL , THOROUGH EXA	MINATION & I	MAGNETIC	C PARTICLE IN	SPECTION	Speci	ification:			ASTM E709 & .	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			2" BALON VA	ALVE 600
									UNIT S/N:				6 FM	L
				E.	-			SE	PARATOR SAP	NO:			114840	41
			1 5-	1	0							INSPECTIO	N RESULT :	
		-		-	3)			VISUAI	L , THOROUGH E)	AMINA	TION			ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
				15	2	9		MAGI	NETIC PARTICLE I	NSPECTI	ON		Avaliable critical and found free from cra	•
	0	1							FINAL RESUL	TS		т	HE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magnet		ction Wi	ith A/C Han	nd Yoke , Black & V	Vhite Contrast	
			EQUIPME	NT DETAIL	S				F	PERSO	N DETAI	LS		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lux	Meter	Equipment	A	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		6	Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	272200	)3	S.No:	20	01504052			130	TA		
Cal Due Date:	14-0ct-24	1	Cal Due Date:	16-0ct-	24	Cal Due Date	: 1	4-0ct-24	QUALIFICAT	ION		ADIAOL	SUPERVISOR:	HANI ALI
Black Magnetic	r Ink Manufact	ure:	Magnaflux	Batch No:	2206	05 Expiry l	ate:	JULY.2025	ASNT LEVE		100	200 T.S.	JUPERVISOR:	HANI ALI
Whie Contrast I	Paint Manufact	ure:	Magnaflux	Batch No:	2206	02 Expiry l	ate:	JUN,2025	MT & PT &	VT	The second	Horineering		
Magnetic Partical Concentration Method WMPT Ligh						ght Intensity	sity STAMP & CLIENT:							
Technical I	Jetalls:	1	1.2 to 2.4 ml/100 ml	Wet N	lagnetic Pa (WMI	article Testing	36	20 Lux	SIGNATUR	E:				
Original - C	lient Files	Со	py - Area Office	Q	C/FN/MP	I/065 Rev.00	DATED	07 Nov 2021						

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C	ERTIF	<b>ICA</b>	TION OF	VISU	<b>41, T</b>	HORO	UGH	EXAM	INATON	1&1	MAG	NETIC P.	ARTICLE IN	ISPECTION
Clien	ıt:		I	HALLIBURT	ON (TSS)			Rep	ort No:				QC-24-05-TSS-NDT-0	16
Locatio	on:		TSS WORKS	HOP & INSP	ECTION 7	TEST AREA		WOR	K ORDER				326589883	
Inspection	1 Date:		1	Гuesday, May	28, 2024			Next Insp	ection Date:				Tuesday, May 27, 202	5
Type Of Ins	pection:	VISU	AL , THOROUGH EXA	MINATION &	MAGNETI	C PARTICLE IN	SPECTION	Speci	fication:			ASTM E709 & .	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			2" BALON VA	ALVE 600
									UNIT S/N:				6 FM	K
				E	-			SE	PARATOR SAP	NO:			114840	41
	0 0		1 5-	E T	0							INSPECTIO	N RESULT :	
		-		-	3)			VISUAI	, THOROUGH E)	AMINA	TION			ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
				1	Z	9		MAGI	NETIC PARTICLE I	NSPECTI	ON		Avaliable critical and found free from cra	•
		1							FINAL RESUL	TS		т	HE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magnet		ction Wi	ith A/C Han	nd Yoke , Black & V	Vhite Contrast	
			EQUIPME	NT DETAII	.s				F	PERSO	N DETAI	LS		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lux	Meter	Equipment	: A	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		60	N Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	27220	03	S.No:	2	01504052	. nonunzuu An		130	TA		
Cal Due Date:	14-0ct-24	1	Cal Due Date:	16-0ct-	24	Cal Due Date	e: 1	4-0ct-24	QUALIFICAT	ION		ADIAOL	SUPERVISOR:	HANI ALI
Black Magnetic	c Ink Manufact	ure:	Magnaflux	Batch No:	2206	05 Expiry l	Date:	JULY.2025	ASNT LEVE		Const	200 T.S.	JUPERVISOR:	HANI ALI
Whie Contrast F	Paint Manufact	ure:	Magnaflux	Batch No:	2206	02 Expiry l	Date:	JUN,2025	MT & PT &	VT	Tro.	Horineering		
Magnetic Partical Concentration Method WMPT Light						ight Intensity	STAMP &			1.8	CLIENT:			
Technical E	Jetalls:	1	1.2 to 2.4 ml/100 ml	Wet I	Magnetic Pa (WMI	article Testing	36	20 Lux	SIGNATUR	E:				
Original - C	lient Files	Co	py - Area Office	(	C/FN/MP	I/065 Rev.00	DATED	07 Nov 2021						



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		CATION OF			IORO	UGH			<b>I &amp;</b> M	AGNETIC P.		
Client	-		HALLIBURTC	× 7				ort No:			QC-24-05-TSS-NDT-0	17
Locatio			SHOP & INSPE		EST AREA			K ORDER			326589883	_
Inspection	Date:		Tuesday, May	28, 2024			Next Ins	pection Date:			Tuesday, May 27, 202	5
Type Of Insp	ection:	VISUAL , THOROUGH EX	AMINATION & M	AGNETIC I	PARTICLE INS	PECTION	Speci	ification:		ASTM E709 & 2	ASTM E 1444 (2016) ASM	E V Article 7 (2019)
							υ	NIT DESCRIPTI	ON:		2" BALON VA	ALVE 600
								UNIT S/N:			9 FM	L
			E				SI	PARATOR SAP	NO:		114840	41
		1 5	-	0						INSPECTIO	N RESULT :	
			-				VISUA	L , THOROUGH EX	ΑΜΙΝΑΤΙΟ	N		ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
		P	to	2	9		MAG	NETIC PARTICLE I	NSPECTION		Avaliable critical and found free from cra	
	0							FINAL RESUL	rs	т	HE ABOVE INSPECTED A	AREAS WAS ACCEPTED
							COMMENT: Magne		ction With	A/C Hand Yoke , Black & V	Vhite Contrast	
		EQUIPMI	ENT DETAIL	S				F	PERSON I	DETAILS		REVIEW BY
Equipment:	AC-Yoke Test Bl	ock <b>Equipment:</b>	Digital Lux	Meter	Equipment	AC	/DC Yoke	INSPECTOR NA M.Shahzad Ah		smul Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657	S.No:	272200	3	S.No:	20	1504052		1			
Cal Due Date:	14-0ct-24	Cal Due Date:	16-0ct-2	24	Cal Due Date	. 14	1-0ct-24	QUALIFICAT		CARDINO L	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufactur	e: Magnaflux	Batch No:	220605	5 Expiry D	ate:	ULY.2025	ASNT LEVE			JOI ERVISOR.	HAIN ALI
Whie Contrast Pa	aint Manufactur	e: Magnaflux	Batch No:	220602	2 Expiry D	ate:	JUN,2025	MT & PT &	ИТ 🖄	L'or Ingineering		
Magnetic Partical Concentration Method WMPT Ligh						ght Intensity	STAMP &		(ingine)	CLIENT:		
Technical De	etails:	1.2 to 2.4 ml/100 ml	Wet M		ticle Testing	362	20 Lux	SIGNATUR				
		Copy - Area Office	1	(WMPT	1							



iila, Al Takamul Yard Corporate 🕺 🊱 🚺 🧱 💓 🐨 🐼 🖓 🖓



С	ERTIF	<b>ICA</b>	TION OF	VISU	Al, T	HORO	UGH	EXAM	INATON	1 & I	MAGNETIC I	PARTICLE IN	NSPECTION
Client	t:		I	HALLIBUR	CON (TSS)			Rep	oort No:			QC-24-05-TSS-NDT-0	18
Locatio	n:		TSS WORKS	HOP & INS	PECTION	TEST AREA		WOR	K ORDER			326589883	
Inspection	Date:		]	Гuesday, Ma	y 28, 2024			Next Ins	pection Date:			Tuesday, May 27, 202	25
Type Of Ins	pection:	VISU	AL , THOROUGH EXA	MINATION 8	a MAGNETI	C PARTICLE IN	SPECTION	Spec	ification:		ASTM E709 8	& ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:		2" BALON VA	ALVE 600
									UNIT S/N:			3 FM	К
				-				SI	EPARATOR SAP	NO:		114840	941
			1	E.	0						INSPECTIO	ON RESULT :	
		-		-				VISUA	L , THOROUGH EX	AMINAT	ION I	NETIC PARTICLE INSPECT AVAILABLE AREAS FOR TI	ION ( M.P.I. ) HAD BEEN DONEON THE HE ABOVE DESCRIPTION
				te)	Z	9		MAG	NETIC PARTICLE I	NSPECTIC	DN	Avaliable critical and found free from cra	•
	0	1							FINAL RESUL	TS		THE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magne		ction Wit	: h A/C Hand Yoke , Black &	White Contrast	
			EQUIPME	NT DETA	ILS			-	F	PERSON	DETAILS		REVIEW BY
Equipment:	AC-Yoke Test I	Block	Equipment:	Digital Lu	x Meter	Equipment	: AC	/DC Yoke	INSPECTOR NA M.Shahzad Ah		mul Compani	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	2722	003	S.No:	20	1504052	inionalizata ini	meu			
Cal Due Date:	14-0ct-24	1	Cal Due Date:	16-0c	t-24	Cal Due Date	e: 14	l-0ct-24	QUALIFICAT		TA DARO	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufactu	ure:	Magnaflux	Batch No	2206	05 Expiry I	Date:	ULY.2025	ASNT LEVE	1.00	(a) 20	SUFERVISOR:	HANI ALI
Whie Contrast P	aint Manufact	ure:	Magnaflux	Batch No	<b>):</b> 2206	02 Expiry I	Date:	JUN,2025	MT & PT &	VT	L'or Invineering		
TashairiD	atalla.	Magnet	ic Partical Concentr	ation	Meth	ıod	WMPT Lig	ght Intensity	isity STAMP & CLIENT:				
Technical D	etalls:	1	l.2 to 2.4 ml/100 ml	Wet	Magnetic Pa (WM)	article Testing	362	0 Lux	SIGNATUR	E:			
Original - Cl	ient Files	Со	py - Area Office			PI/065 Rev.00	DATED 0	7 Nov 2021					



naila, Al Takamul Yard 7810009138



C	ERTIF	ICA	TION OF	VISU	J <mark>Al,</mark> T	HORO	UGH	EXAM	INATON	1 & I	MAGNETIC I	PARTICLE IN	NSPECTION
Client	t:		1	HALLIBUR	TON (TSS	)		Rep	oort No:			QC-24-05-TSS-NDT-0	19
Locatio	on:		TSS WORKS	HOP & INS	SPECTION	TEST AREA		WOR	K ORDER			326589883	
Inspection	Date:			Гuesday, M	ay 28, 2024	4		Next Ins	pection Date:			Tuesday, May 27, 202	25
Type Of Insj	pection:	VISU	AL , THOROUGH EXA	MINATION	& MAGNET	IC PARTICLE IN	SPECTION	Spec	ification:		ASTM E709 8	& ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:		2" BALON VA	ALVE 600
									UNIT S/N:			3 FM	L
					-			SI	EPARATOR SAP	NO:		114840	941
			115	A I	0						INSPECTIO	ON RESULT :	
		-						VISUA	L , THOROUGH EX	AMINAT	ION I	NETIC PARTICLE INSPECT AVAILABLE AREAS FOR TI	ION ( M.P.I. ) HAD BEEN DONEON THE HE ABOVE DESCRIPTION
				13	Z	9		MAG	NETIC PARTICLE I	NSPECTIC	DN	Avaliable critical and found free from cra	•
	0	J.							FINAL RESUL	TS		THE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magne		ction Wit	: h A/C Hand Yoke , Black &	White Contrast	
			EQUIPME	NT DETA	ILS				F	PERSON	I DETAILS		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital L	ux Meter	Equipment	: AC	/DC Yoke	INSPECTOR NA M.Shahzad Ah		mul Compan.	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	2722	2003	S.No:	20	1504052	M.Shanzau An	meu	IS AN		
Cal Due Date:	14-0ct-24	4	Cal Due Date:	16-0	ct-24	Cal Due Dat	e: 1	4-0ct-24	QUALIFICAT		The solution	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufact	ure:	Magnaflux	Batch N	i <b>o:</b> 2206	605 Expiry	Date:	JULY.2025	ASNT LEVE	1.00	al sol	SUFERVISOR:	TANI ALI
Whie Contrast P	aint Manufact	ure:	Magnaflux	Batch N	io: 2206	602 Expiry	Date:	JUN,2025	MT & PT &	VT	L'or Ipringering		
Tabulation	ataila	Magnet	tic Partical Concentr	ation	Met	hod	WMPT Li	ght Intensity	sity STAMP & CLIENT:				
Technical D	etalls:	:	1.2 to 2.4 ml/100 ml	We	et Magnetic P (WM	Particle Testing	36	20 Lux	SIGNATUR	E:			
Original - Cl	lient Files	Со	py - Area Office			PI/065 Rev.00	DATED (	07 Nov 2021					



illa, Al Takamul Yard 810009138 Email: OP@gualitycontrol-irag.con



C	ERTIF	ICA	TION OF	VISU.	Al, T	HORO	UGH	EXAM	INATON	1&1	MAG	NETIC P.	ARTICLE IN	ISPECTION
Clien	it:		1	HALLIBURT	ON (TSS)	)		Rep	ort No:				QC-24-05-TSS-NDT-0	20
Locati	on:		TSS WORKS	HOP & INSF	ECTION	TEST AREA		WOR	K ORDER				326589883	
Inspection	n Date:		1	Гuesday, Ma	y 28, 2024	-		Next Ins	pection Date:				Tuesday, May 27, 202	5
Type Of Ins	pection:	VISU	AL , THOROUGH EXA	MINATION &	MAGNETI	C PARTICLE IN	SPECTION	Speci	ification:			ASTM E709 & .	ASTM E 1444 (2016) ASMI	E V Article 7 (2019)
								υ	NIT DESCRIPTI	ON:			2" BALON VA	LVE 600
									UNIT S/N:				2 FMI	X
				6	-			SI	PARATOR SAP	NO:			114840	41
			1 5-		0							INSPECTIO	N RESULT :	
		-		-				VISUA	L , THOROUGH E)	AMINA	TION			ION ( M.P.I. ) HAD BEEN DONEON THE IE ABOVE DESCRIPTION
				to)	Z	9		MAG	NETIC PARTICLE I	NSPECTI	ON		Avaliable critical and found free from cra	•
	0	J.							FINAL RESUL	TS		т	HE ABOVE INSPECTED A	REAS WAS ACCEPTED
								COMMENT: Magne		ction Wi	ith A/C Han	d Yoke , Black & V	Vhite Contrast	
			EQUIPME	NT DETAI	LS				F	PERSO	N DETAI	LS		REVIEW BY
Equipment:	AC-Yoke Test	Block	Equipment:	Digital Lux	k Meter	Equipment	: A	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		In	Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	27220	003	S.No:	2	01504052		meu		T		
Cal Due Date:	14-0ct-24	4	Cal Due Date:	16-0ct	-24	Cal Due Dat	e: 1	4-0ct-24	QUALIFICAT	ION		A DAROL	SUPERVISOR:	HANI ALI
Black Magnetic	: Ink Manufact	ure:	Magnaflux	Batch No	: 2206	605 Expiry	Date:	JULY.2025	ASNT LEVE		Const	5 13	JUI ERVIJOR.	HAM ALI
Whie Contrast I	Paint Manufact	ure:	Magnaflux	Batch No	: 2206	602 Expiry	Date:	JUN,2025	MT & PT &	VT	Tro.	Angineering		
Magnetic Partical Concentration Method WMPT Light						ight Intensity	ity STAMP & CLIENT:							
Technical I	Jetalls:		1.2 to 2.4 ml/100 ml	Wet	Magnetic P (WM	article Testing	36	520 Lux	SIGNATUR	E:				
Original - C	lient Files	Co	py - Area Office	(	QC/FN/MF	PI/065 Rev.00	DATED	07 Nov 2021						



iila, Al Takamul Yard



C	ERTIF	<b>ICA</b>	TION OF	VISU	J <mark>Al, T</mark>	HORO	UGH	EXAM	INATON	1&1	MAGNETIC	PARTICLE II	NSPECTION
Client	:		1	HALLIBUR	TON (TSS	5)		Rep	oort No:			QC-24-05-TSS-NDT-0	021
Locatio	n:		TSS WORKS	HOP & INS	SPECTION	TEST AREA		WOR	K ORDER			326589883	
Inspection	Date:			Гuesday, M	ay 28, 2024	4		Next Ins	pection Date:			Tuesday, May 27, 202	25
Type Of Insp	pection:	VISU.	AL , THOROUGH EXA	MINATION	& MAGNET	IC PARTICLE IN	SPECTION	Spec	ification:		ASTM E709	& ASTM E 1444 (2016) ASM	E V Article 7 (2019)
								U	NIT DESCRIPTI	ON:		4" BALON V.	ALVE 600
									UNIT S/N:			4 FM	S
			-					SI	EPARATOR SAP	NO:		114840	)41
			1 5-	a l	0						INSPECT	ON RESULT :	
		-						VISUA	L , THOROUGH EX	AMINAT	VISUAL & MA	GNETIC PARTICLE INSPECT AVAILABLE AREAS FOR T	FION ( M.P.I. ) HAD BEEN DONEON THE HE ABOVE DESCRIPTION
				19	Z	9		MAG	NETIC PARTICLE I	NSPECTIC	N	Avaliable critical and found free from cr	
	0	1							FINAL RESUL	TS		THE ABOVE INSPECTED	AREAS WAS ACCEPTED
								COMMENT: Magne		ction Wit	: th A/C Hand Yoke , Black	& White Contrast	
			EQUIPME	NT DETA	ILS				F	PERSON	I DETAILS		REVIEW BY
Equipment:	AC-Yoke Test I	Block	Equipment:	Digital L	ux Meter	Equipmen	: A0	C/DC Yoke	INSPECTOR NA M.Shahzad Ah		mul Compani	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.No:	1657		S.No:	2722	2003	S.No:	20	01504052	inionalizata ini	meu	IS AND	2	
Cal Due Date:	14-0ct-24	1	Cal Due Date:	16-0	ct-24	Cal Due Dat	e: 1	4-0ct-24	QUALIFICAT	ION	A DAR	SUPERVISOR:	HANI ALI
Black Magnetic	Ink Manufactu	ure:	Magnaflux	Batch N	lo: 220	605 Expiry	Date:	JULY.2025	ASNT LEVE	10	(a) 20	30FERVISOR:	TANI ALI
Whie Contrast P	aint Manufact	ure:	Magnaflux	Batch N	lo: 220	602 Expiry	Date:	JUN,2025	MT & PT &	VT	For Invineering		
Technical D	ata ila.	Magnet	tic Partical Concentr	ation	Met	hod	WMPT Li	ght Intensity	sity STAMP & CLIENT:				
Technical D	etalls:	1	1.2 to 2.4 ml/100 ml	We	et Magnetic I (WM	Particle Testing	36	20 Lux	SIGNATUR	E:			
Original - Cl	ient Files	Со	py - Area Office			PI/065 Rev.00	DATED (	07 Nov 2021					1



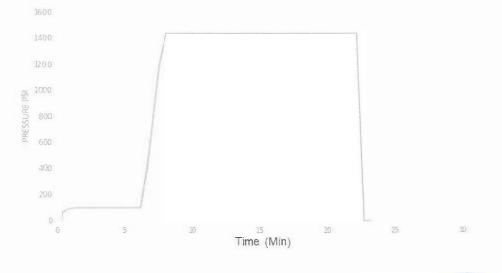
maila, Al Takamul Yard 17810009138

### **Data Collection Report**

Gauge Information	on
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	8:30 AM
Stop Time	8:53AM
Test Date	29-May-24
EQNUMBER	11484041
LASTCALIB	2.Aug.2023

READING



TESTED BY:	Al Khalid
APPROVED BY:	Hassan Kamel

COMMENTS: Body Test

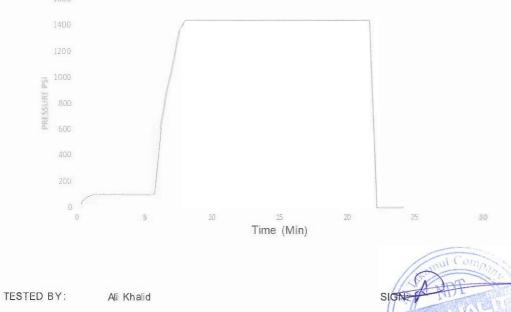


#### **Data Collection Report**

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Start Time	8:56 AM
Stop Time	9:19 AM
Test Date	29-May-24
EQ NUMBER	11484041
LAST CALIB	2.Aug.2023

#### READING



APPROVED BY: Hassan Kamel

COMMENTS: All valv

All valves has been tested

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### Data Collection Report

Gauge Information		
Serial Number	468066	
Model	XP2I	
Message Store	TSS test area	
Units	PSI	
SCALE	15000 PSI	

Run Info	
Start Time	9:50 AM
Stop Time	10:13 AM
Test Date	29-May-24
EQ NUMBER	11484041
LAST CALIB	2.Aug.2023

READING

