

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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CERTIFICATE OF INSPECTION AFTER REPAIR FOR X.Over # 03P1222

Client Name:	Hong Hua Oil& Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-21
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	26-03 -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#. 220605 Manufacture: Magnaflux Exp Date: JULY.2026	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 •MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.		

Serial No.	Description	Connection		Result Inspection			3Dimensional- Inspection														
		Pin	Box	Pin	Box	Body	Pin						Box						Body		
							OD(In)	ID(In)	SRG D(In)	NECK W(In)	Pin(In)	Bevel(In)	OD(In)	CB(In)	CB(In)	BBD(In)	BBL(In)	Bevel(In)	Tongspace(In)	Box Lth(In)	Overall(In)
03P1222	X.Over	--	NC 50	--	Acc.	--	--	--	--	--	--	--	8"	5/16"	5/8"	4/5/8"	8"	6 1/4"	--	--	29 1/8"

Conclusion : 01 The Above Mentioned Lifting Sub was found "Acceptable" From Box Side After Repair At the time of Inspection

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
☐ Diameter	☐ Length	☐ Width	☐ Depth	NP. Not Present	NA. Not Applicable
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread	SD Seal Damage	M Mashed
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness
Colors Code:	White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	Mohammed Magdy	Review By					
Qualification:	ASNT Level II CMT PT ET ETW ETM	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			



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CERTIFICATE OF INSPECTION AFTER REPAIR FOR X.Over # 06P1222

Client Name:	Hong Hua Oil& Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-22
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	26-03 -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#:220605 Manufacture: Magnaflux Exp Date: JULY,2026	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 •MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging. 		

Serial No.	Description	Connection		Result Inspection			3Dimensional- Inspection													
		Pin	Box	Pin	Box	Body	Pin						Box						Body	
							OD(In)	ID(In)	SRG D(In)	NECK W(In)	Pin(In)	Bevel(In)	OD(In)	CB(In)	CB(In)	BBD(In)	BBL(In)	Bevel(In)	Tongspac e(In)	Box Lth(In)
06P1222	X.Over	--	NC 50	--	Acc.	--	--	--	--	--	--	6 5/8"	5 5/16"	5/8"	--	--	6 1/16"	--	--	22 1/2"
Conclusion :		01 The Above Mentioned Lifting Sub was found "Acceptable"From Box Side AfterRepair At the time of Inspection																		

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
EGR	Elevator Groove Recess	SGR	Slip Groove Recess	CR	Crack	B	Bent	PC	Premium Class	RF	Reface
GT	Galled Thread	TP	Thread Pitting	SP	Seal Pitting	TD	Thread	SD	Seal Damage	M	Mashed
1	100 % Coating	2	99-71 % Coating	3	70-40 % Coating	4	Up to 40 %	5	Nil	WT	Wall Thickness
Colors Code:		White	No Defects	Red	Crack or Extreme	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:	Mohammed Magdy	Review By					
Qualification:	ASNT Level II CMT III CPT III CWI III	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			



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CERTIFICATE OF INSPECTION AFTER REPAIR FOR X.Over # 051251767

Client Name:	Hong Hua Oil& Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-23
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	26-03 -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2026	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 •MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging. 		

Serial No.	Description	Connection		Result Inspection			3Dimensional- Inspection														
		Pin	Box	Pin	Box	Body	Pin					Box					Body				
							OD(In)	ID(In)	SRG D(In)	NECK W(In)	Pin(In)	Bevel(In)	OD(In)	CB(In)	CB(In)	BBD(In)	BBL(In)	Bevel(In)	Tongspac e(In)	Box Lth(In)	Overall(In)
051251767	X.Over	--	7 5/8 REG	--	Acc.	--	--	--	--	--	--	9 1/2"	7 1/16"	5/8"	--	--	8 3/4"	--	--	29 1/4"	
Conclusion :		01 The Above Mentioned Lifting Sub was found "Acceptable"From Box Side AfterRepair At the time of Inspection																			

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore	
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface	
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread	SD Seal Damage	M Mashed	
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness	
Colors Code:		White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	Mohammed Magdy	Review By					
Qualification:	ASNT Level II CMT III CPM III CPM IV	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			



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CERTIFICATE OF INSPECTION AFTER REPAIR FOR X.Over # 0512517207

Client Name:	Hong Hua Oil & Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-24
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	26-03 -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#:220605 Manufacture: Magnaflux Exp Date: JULY,2026	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 •MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging. 		

Serial No.	Description	Connection		Result Inspection			3Dimensional- Inspection														
		Pin	Box	Pin	Box	Body	Pin					Box					Body				
							OD(In)	ID(In)	SRG D(In)	NECK W(In)	Pin(In)	Bevel(In)	OD(In)	CB(In)	CB(In)	BBD(In)	BBL(In)	Bevel(In)	Tongspac e(In)	Box Lth(In)	Overall(In)
0512517207	X.Over	--	NC 50	--	Acc.	--	--	--	--	--	--	--	9 1/2"	5 5/16"	5/8"	--	--	6 1/16"	--	--	28 7/8"
Conclusion :		01 The Above Mentioned Lifting Sub was found "Acceptable"From Box Side AfterRepair At the time of Inspection																			

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore	
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface	
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread	SD Seal Damage	M Mashed	
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness	
Colors Code:		White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	Mohammed Magdy	Review By					
Qualification:	ASNT Level II CMT III CPT III CWI III	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			



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CERTIFICATE OF INSPECTION AFTER REPAIR FOR X.Over # 0513116538

Client Name:	Hong Hua Oil & Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-25
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	26-03 -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#:220605 Manufacture: Magnaflux Exp Date: JULY,2026	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 •MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging. 		

Serial No.	Description	Connection		Result Inspection			3Dimensional- Inspection															
		Pin	Box	Pin	Box	Body	Pin					Box					Body					
							OD(In)	ID(In)	SRG D(In)	SRG W(In)	Pin(In)	Bevel(In)	OD(In)	CB(In)	CB(In)	BBD(In)	BBL(In)	Bevel(In)	Tongspac e(In)	Box Lth(In)	Overall(In)	
0513116538	X.Over	6 5/8 REG	--	Acc.	--	--	8"	2 3/4"	5 3/8"	3/4"	5"	7 1/2"	--	--	--	--	--	--	--	--	--	29 1/8"
Conclusion :		01 The Above Mentioned Lifting Sub was found "Acceptable"From Pin Side AfterRepair At the time of Inspection																				

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore	
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface	
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread	SD Seal Damage	M Mashed	
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness	
Colors Code:		White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	Mohammed Magdy	Review By					
Qualification:	ASNT Level II	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed	Customer Name:	
Signature:			Customer Signature:				
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			

