



## INSPECTION CERTIFICATE FOR SIDE ENTRY SUB

Client Name:	<b>HALLIBURTON (WPS)</b>	Report No.:	HAL-25-04-MS-WPS-001
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	08-April-2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	
<b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>			
WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux
<b>MAGNITISUM DIRECTION (LONGITUDENAL)</b>			
METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3 Inspection</li> </ul>		
	•MPI inspection with Ultraviolet light		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection											
		Pin	Box	Pin	Box	Body	Pin					Box					Body	
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB ϕ(In)	BB ϕ(In)	BB ϕ(In)		Bevel ϕ(In)
SES-7, 14244057	SIDE ENTRY SUB	4 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/4"	2 13/16"	3/8"	4 7/16"	6"	6 1/4"	5 10/32"	5/8"	-	-	6"	37 5/8"



**Conclusion:** ■ 01 Side Entry Sub was found "Acceptable" At time of Inspection Ready For Use.

**Abbreviations :**

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

<b>Inspector:</b>	M.Shahzad Ahmed	<b>Review By</b>			
<b>Qualification:</b>	ASNT Level 3 (MT) VT	<b>Senior Inspector:</b>	NAVEED HUSSAIN	<b>Supervisor:</b>	Hani Ali
<b>Signature:</b>			<b>Customer Name:</b>		ALI Talib HB48903
				<b>Date:</b> 09-04-2025	

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## INSPECTION CERTIFICATE FOR SIDE ENTRY SUB

Client Name:	<b>HALLIBURTON</b> (WPS)	Report No.:	HAL-25-04-MS-WPS-002
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	08-April-2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	

### TEST EQUIPMENT & CONSUMABLE DETAILS

WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux

### MAGNITISUM DIRECTION (LONGITUDENAL)

METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3 Inspection</li> </ul>	<ul style="list-style-type: none"> <li>•MPI inspection with Ultraviolet light</li> </ul>
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Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection											
		Pin	Box	Pin	Box	Body	Pin					Box					Body	
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB ϕ(In)	BB ϕ(In)	BB ϕ(In)		Bevel ϕ(In)
SES-1, 14244058	SIDE ENTRY SUB	4 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/4"	2 13/16"	3/8"	4 7/16"	6"	6 1/4"	5 10/32"	5/8"	-	-	6"	37 5/8"



**Conclusion:** ■ 01 Side Entry Sub was found "Acceptable" At time of Inspection Ready For Use.

**Abbreviations :**

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

Inspector Name:	M Shahzad Ahmed	Review By			
Qualification:	ASNT Level II (MT)	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	Hani Ali
Signature:				Customer Name:	ALI Talib HB48903
				Customer Signature:	

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## INSPECTION CERTIFICATE FOR CONNECTOR SUB

Client Name:	<b>HALLIBURTON (WPS)</b>	Report No.:	HAL-25-04-MS-WPS-003
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	08-April-2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	
<b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>			
WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 μw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux
<b>MAGNITISUM DIRECTION (LONGITUDENAL)</b>			
METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3 Inspection</li> </ul>		
	<ul style="list-style-type: none"> <li>•MPI inspection with Ultraviolet light</li> </ul>		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection													
		Pin	Box	Pin	Box	Body	Pin					Box					Body			
							OD(In)	ID(In)	Neck w(In)	Pin λ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	BB φ(In)	BB δ(In)	Bevel φ(In)	Fish Nick λ (IN)	Overall λ (IN)	
CS-1, 14244062	CONNECTOR SUB	-	3 1/2 IF	-	Acc.	Acc.	-	-	-	-	-	-	4 11/16"	4 1/8"	5/8"	-	-	4 5/8"	9 3/8"	38 1/2"



<b>Conclusion:</b>	■ 01 Connector Sub was found "Acceptable" At time of Inspection Ready For Use.
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**Abbreviations :**

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

<b>Inspector</b>	M.Shahzad Ahmed	<b>Review By</b>			
<b>Qualification:</b>	ASNT Level II (MT) P. No. 1111	<b>Senior Inspector:</b> NAVEED HUSSAIN	<b>Supervisor:</b> Hani Ali	<b>Customer Name:</b>	<b>ALI Talib HB48903</b>
<b>Signature:</b>				<b>Customer Signature:</b>	Date: 09-04-2025 

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**AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED**

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**INSPECTION CERTIFICATE FOR CONNECTOR SUB**

<b>Client Name:</b>	<b>HALLIBURTON (WPS)</b>	<b>Report No.:</b>	HAL-25-04-MS-WPS-004
<b>Acceptance criteria:</b>	DS-1 Volume 4 Fifth Edition	<b>Date of Inspection:</b>	08-April-2025
<b>Work Location:</b>	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	

**TEST EQUIPMENT & CONSUMABLE DETAILS**

WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux

**MAGNITISUM DIRECTION (LONGITUDENAL)**

<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional 3 Inspection</li> </ul>	<ul style="list-style-type: none"> <li>MPI inspection with Ultraviolet light</li> </ul>
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Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection												
		Pin	Box	Pin	Box	Body	Pin					Box					Body		
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB ϕ(In)	BB ϕ(In)	BB ϕ(In)	Bevel ϕ(In)	Fish Nick λ (In)	Overall λ (In)
MCC-1	CONNECTOR SUB	-	3 1/2 IF	-	Acc.	Acc.	-	-	-	-	-	4 11/16"	4 1/16"	5/8"	-	-	4 21/32"	9 1/2"	38 1/2"



**Conclusion:** ■ 01 Connector Sub was found "Acceptable" At time of Inspection Ready For Use.

**Abbreviations :**

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

<b>Inspector Name:</b>	M.Shahzad Ahmed	<b>Review By</b>					
<b>Qualification:</b>	ASNT Level 1 (MT)	<b>Senior Inspector:</b>	NAVEED HUSSAIN	<b>Supervisor:</b>	Hani Ali	<b>Customer Name:</b>	<b>ALI Talib HB48903</b>
<b>Signature:</b>						<b>Customer Signature:</b>	

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## INSPECTION CERTIFICATE FOR CIRCULATION SUB

Client Name:	<b>HALLIBURTON (WPS)</b>	Report No.:	HAL-25-04-MS-WPS-005
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	08-April-2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	

### TEST EQUIPMENT & CONSUMABLE DETAILS

WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux

### MAGNITISUM DIRECTION (LONGITUDENAL)

METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3 Inspection</li> </ul>	<ul style="list-style-type: none"> <li>•MPI inspection with Ultraviolet light</li> </ul>
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Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection											
		Pin	Box	Pin	Box	Body	Pin					Box					Body	
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB ϕ(In)	BB ϕ(In)	BB ϕ(In)		Bevel ϕ(In)
PO-4388, 14244384	CIRCULATION SUB	4 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/2"	2 1/4"	3/8"	4 7/16"	6 5/16"	6 1/2"	5 10/32"	5/8"	-	-	6 5/16"	25 5/8"



Conclusion:	■ 01 Circulation Sub was found "Acceptable" At time of Inspection Ready For Use.
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**Abbreviations :**

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

Inspector	M.Shahzad Ahmed	Review By					
Qualification:	ASNT Level II (MT, PT, ET)	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	Hani Ali	Customer Name:	ALI Talib HB48903
Signature:						Customer Signature:	
							Date: 09-04-2025

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## INSPECTION CERTIFICATE FOR X-OVER

Client Name:	<b>HALLIBURTON</b> (WPS)	Report No.:	HAL-25-04-MS-WPS-006
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	08-April-2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	
<b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>			
WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3170 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux
<b>MAGNITISUM DIRECTION (LONGITUDENAL)</b>			
METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3 Inspection</li> </ul>		
	<ul style="list-style-type: none"> <li>•MPI inspection with Ultraviolet light</li> </ul>		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection											
		Pin	Box	Pin	Box	Body	Pin					Box					Body	
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB ϕ(In)	BB ϕ(In)	BB ϕ(In)		Bevel ϕ(In)
41400	X-OVER	3 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/2"	2 11/16"	3/8"	3 15/16"	4 15/16"	6 1/2"	5 10/32"	5/8"	-	-	6 5/16"	16"



**Conclusion:** ■ 01 X-Over was found "Acceptable" At time of Inspection Ready For Use.

**Abbreviations :**

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
ϕ	Diameter	λ	Length	ϖ	Width	δ	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 Damage	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
<b>Colors Code:</b>		White	No Defects	Red	Crack or Extreme Damage.	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector	M.Shahzad Ahmed	<b>Review By</b>									
Qualification:	ASNT Level II (MT PT)	<b>Senior Inspector:</b>	NAVEED HUSSAIN	<b>Supervisor:</b>	Hani Ali	<b>Customer Name:</b>	<b>ALI Talib HB48903</b>				
Signature:						<b>Customer Signature:</b>					

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**

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Email: [OP@qualitycontrol-iraq.com](mailto:OP@qualitycontrol-iraq.com) / [hany.akafi@qualitycontrol-iraq.com](mailto:hany.akafi@qualitycontrol-iraq.com)



**CERTIFICATE OF THOROUGH EXAMINATION**

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

<b>Date of Examination:</b>	08/04/2025	<b>Date of Report:</b>	08/04/2025	<b>Certificate No:</b>	QC-25/-WPS-0804-007	
<b>Client Name:</b>	HALLIBURTON	<b>Location:</b>	WPS	<b>Job Number:</b>	08042025	
<b>Serial Number:</b>	QTY	<b>Description</b>		<b>SWL</b>	<b>Date of manufacture if known:</b>	<b>Date of last thorough examination</b>
C313	1	<p align="center"><b><u>SINGLE LEG CHAIN SLING</u></b></p> <p>C/W MASTER LINK AT THE TOP &amp; GRAB HOOK AT THE END</p> <p>DIM: 1/2" DIA X 20 FT (L) FOS: 4:1</p>		15,000 LBS	N/A	15/10/2024
<b>Reference Standard:</b>	BS EN 818-4/ HAL DOC: ST-GL-HAL-HSE-0420					
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	Was the examination carried out: Within an interval of 6 months?	
					YES ✓ NO	
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO		With an interval of 12 months? In accordance with an examination scheme?	
					YES ✓ NO	
					After the occurrence of exceptional circumstances?	
					YES NO ✓	
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE						
Is the above a defect which is of immediate danger to persons:					YES	NO ✓
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:						
Particulars of any tests carried out as part of the examination: (If none state NONE)						
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory						
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES	NO ✓
<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>		<b>Client Signature &amp; Stamp:</b>			
ASHRAF ELSAID	MOHAMED ABDALLAH		<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Haliburton			
<b>Date of Next Through Examination:</b>	07/10/2025					

REV: 01 Dated: 20 June 2022



**THIS IS TO CERTIFY THAT;** a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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<b>Date of Examination:</b>	08/04/2025	<b>Date of Report:</b>	08/04/2025	<b>Certificate No:</b>	QC-25/-WPS-0804-008
<b>Client Name:</b>	HALLIBURTON	<b>Location:</b>	WPS	<b>Job Number:</b>	08042025
<b>Serial Number:</b>	QTY	<b>Description</b>		<b>SWL</b>	<b>Date of manufacture if known:</b>
BLP-212105-10	1	<p align="center"><b><u>SINGLE LEG CHAIN SLING</u></b></p> <p>C/W MASTER LINK AT THE TOP &amp; GRAB HOOK AT THE END</p> <p><b>MANUFACTURER:</b> BISHOP LIFTING PRODCUTS <b>DIM:</b> 3/4" DIA X 10 FT (L) <b>FOS:</b> 4:1</p>		35,300 LBS	N/A
<b>Reference Standard:</b>	BS EN 818-4/ HAL DOC: ST-GL-HAL-HSE-0420				
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	Was the examination carried out: Within an interval of 6 months?
					YES
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO	✓	With an interval of 12 months? In accordance with an examination scheme?
					YES
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none Sate NONE) NONE					After the occurrence of exceptional circumstances?
					YES
Is the above a defect which is of immediate danger to persons:				YES	NO
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES
					✓
					NO
<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>		<b>Client Signature &amp; Stamp:</b>		
ASHRAF ELSAID	MOHAMED ABDALLAH		<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Halliburton		
<b>Date of Next Through Examination:</b>	07/10/2025				

REV: 01 Dated: 20 June 2022



**THIS IS TO CERTIFY THAT;** a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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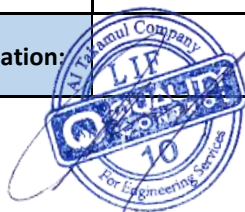


**CERTIFICATE OF THOROUGH EXAMINATION**

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

<b>Date of Examination:</b>	08/04/2025	<b>Date of Report:</b>	08/04/2025	<b>Certificate No:</b>	QC-25/-WPS-0804-009
<b>Client Name:</b>	HALLIBURTON	<b>Location:</b>	WPS	<b>Job Number:</b>	08042025
<b>Serial Number:</b>	<b>QTY</b>	<b>Description</b>		<b>SWL</b>	<b>Date of manufacture if known:</b>
BLP-183056-16	1	<p align="center"><b><u>SNATCH BLOCK</u></b></p> <p><b>MANUFACTURER:</b> MCKISSICK CROSBY <b>WIRE ROPE SIZE:</b> 13 MM-14 MM <b>FOS:</b> 4:1</p>		8 TON	N/A
<b>Reference Standard:</b>		BS EN 13157/ HAL DOC: ST-GL-HAL-HSE-0420			
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	Was the examination carried out: Within an interval of 6 months?
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO	✓	Within an interval of 12 months?
		YES	NO	✓	In accordance with an examination scheme?
		YES	NO	✓	After the occurrence of exceptional circumstances?
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES
<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>		<b>Client Signature &amp; Stamp:</b>		
ASHRAF ELSAID	MOHAMED ABDALLAH		<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Haliburton		
<b>Date of Next Through Examination:</b>	07/10/2025				

REV: 01 Dated: 20 June 2022



**THIS IS TO CERTIFY THAT;** a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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<b>Date of Examination:</b>	08/04/2025	<b>Date of Report:</b>	08/04/2025	<b>Certificate No:</b>	QC-25/-WPS-0804-010
<b>Client Name:</b>	HALLIBURTON	<b>Location:</b>	WPS	<b>Job Number:</b>	08042025
<b>Serial Number:</b>	QTY	<b>Description</b>		<b>SWL</b>	<b>Date of manufacture if known:</b>
H4485	1	<p align="center"><b><u>SAFETY PIN BOW SHACKLE</u></b></p> <p>MANUFACTURER: GT</p> <p>GRADE: 6</p> <p>SIZE: 3/4"</p> <p>FOS: 6:1</p>		4.75 TON	N/A
<b>Reference Standard:</b>	BS EN 13889/ HAL DOC: ST-GL-HAL-HSE-0420				
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	Was the examination carried out: Within an interval of 6 months?
					YES ✓ NO
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO		Was the examination carried out: Within an interval of 12 months?
					YES ✓ NO ✓
					In accordance with an examination scheme?
					YES ✓ NO
					After the occurrence of exceptional circumstances?
					YES NO ✓
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES NO ✓
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES ✓ NO
<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>		<b>Client Signature &amp; Stamp:</b>		
ASHRAF ELSAID	MOHAMED ABDALLAH		ALI Talib HB48903 Date: 09-04-2025 Signature Haliburton		
<b>Date of Next Through Examination:</b>	07/10/2025				

REV: 01 Dated: 20 June 2022



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<b>Date of Examination:</b>	08/04/2025	<b>Date of Report:</b>	08/04/2025	<b>Certificate No:</b>	QC-25/-WPS-0804-011
<b>Client Name:</b>	HALLIBURTON	<b>Location:</b>	WPS	<b>Job Number:</b>	08042025
<b>Serial Number:</b>	QTY	<b>Description</b>		<b>SWL</b>	<b>Date of manufacture if known:</b>
R/523	1	<p align="center"><b><u>SAFETY PIN BOW SHACKLE</u></b></p> <p>MANUFACTURER: GP</p> <p>GRADE: 6</p> <p>SIZE: 5/8"</p> <p>FOS: 6:1</p>		3.25 TON	N/A
<b>Reference Standard:</b>	BS EN 13889/ HAL DOC: ST-GL-HAL-HSE-0420				
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	Was the examination carried out: Within an interval of 6 months?
					YES
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO	✓	With an interval of 12 months?
					YES
					In accordance with an examination scheme?
					YES
					After the occurrence of exceptional circumstances?
					YES
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES
					✓
					NO
<b>Name of Inspector:</b>		<b>Name of person authenticating this report:</b>		<b>Client Signature &amp; Stamp:</b>	
ASHRAF ELSAID		MOHAMED ABDALLAH		<p><b>ALI Talib HB48903</b></p> <p>Date: 09-04-2025</p> <p>Signature <i>Ali Talib</i></p> <p>Halliburton</p>	
<b>Date of Next Through Examination:</b>		07/10/2025			

REV: 01 Dated: 20 June 2022



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# AI TAKAMUL COMPANY FOR ENGINEERING TESTS PROFESSIONAL SAFETY LIMITED

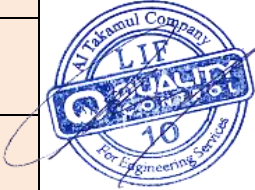
Rumaila, Quality Control Yard - Iraq



## CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION

CLIENT:	HALLIBURTON WPS	REPORT NO.	QC-25-0804-WPS-NDT-012
LOCATION:	WPS YARD	NEXT INSPECTION DATE:	Tuesday, October 7, 2025
INSPECTION DATE:	Tuesday, April 8, 2025	ACCEPTANCE CRITERIA	ASTM E165/E165M ,ASTM E1417/E1417M ,EN ISO 3452-1,EN ISO 3452-2
TYPE OF INSPECTION:	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)	HAL DOCUMENTS NO	Halliburton Doc. (LPI ProcedureD00976849 Revision F (HAL DOC: ST-GL-HAL-HSE-0420)

DESCRIPTION:	C PLATE	SWL:	5000 LBS	SERIAL NUMBER:	30462-05, 30462-03						
				SIZE:	3-3/8 - 3-5/8						
 						INSPECTION RESULT :					
						VISUAL , THOROUGH EXAMINATION			Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage		
						DYE PENETRANT INSPECTION (DPI)			forgn areas inspected and found freedom from cracks and other defects		
						FINAL RESULTS			Above Item found satisfactory and free of defectsat the time of inspection		
						TECHNICAL DETAILS					
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE											
PENETRANT DWELL TIME:		30 minutes		DEVELOPER DWELL TIME:		15 minutes					
Test Part Temperature:		92 °F		WHITE LIGHT INTENSITY:		3620 LUX					



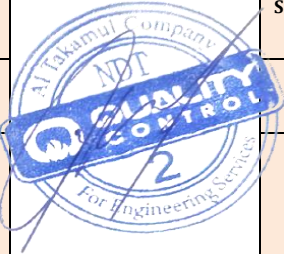
EQUIPMENT DETAILS						PERSONNEL DETAILS		REVIEW BY	
EQUIPMENT :	COMPARATOR BLOCK	EQUIPMENT :	Digital Lux Meter	EQUIPMENT :	INFRARED THERMOMETER	INSPECTOR NAME: ASHRAF ELSAID		SENIOR INSPECTOR:	MOHAMED ABDALLAH
S.N:	11223	S.N:	2722003	S.N:	201704125	QUALIFICATION: ASNT LEVEL II MT & PT& VT & UT		SUPERVISOR:	HANI ALI
Cal Due Date:	13,APRIL,2025	Cal Due Date:	13,APRIL,2025	Cal Due Date:	13,APRIL,2025			CLIENT:	<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Halliburton
Red Penetrant Manufacture:	Magnaflux	Batch No:	230606	EXPIRE DATE:	June,2026				
Developer Manufacture:	Magnaflux	Batch No:	230608	EXPIRE DATE:	June,2026				
WATER PRESSURE	30 PSI	P. GAUGE	SSR825	DUE CAL DATE:	13,APRIL,2025				

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**  
Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

<b>Client:</b>	HALLIBURTON (WPS)			<b>Report No:</b>	QC-25-0804-WPS-NDT-013						
<b>Location:</b>	WPS YARD			<b>JOB NO:</b>	8042025						
<b>Inspection Date:</b>	Tuesday, April 8, 2025			<b>Next Inspection Date:</b>	Tuesday, October 7, 2025						
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)						
				<b>UNIT DESCRIPTION:</b>	LIFTING CAP WITH 3 1/2 IF PIN CONNECTION						
				<b>UNIT S/N:</b>	A2454						
				<b>INSPECTION RESULT :</b>							
				<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION						
				<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & forgn areas inspected and found free from cracks and other defects						
				<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED						
				<b>COMMENT:</b> (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast							
<b>EQUIPMENT DETAILS</b>				<b>PERSON DETAILS</b>		<b>REVIEW BY</b>					
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	Shooting Coil DC	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3190 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>S.NO:</b>	201504052	<b>S.NO:</b>	22650	<b>S.NO:</b>	1898977		<b>STAMP &amp; SIGNATURE:</b>	<b>SUPERVISOR:</b>	HANI ALI		
<b>Cal Due Date:</b>	11.APRIL.2025	<b>Cal Due Date:</b>	12.APRIL.2025	<b>Cal Due Date:</b>	11.APRIL.2025			<b>QUALIFICATION:</b>	ASNT LEVEL II MT & PT & VT	<b>CLIENT:</b>	<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Haliburton
<b>FLUORESCENT 14HF</b>	Magnaflux	<b>Batch No:</b>	230503	<b>EXPIRE DATE:</b>	MAY.2026						
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	230408	<b>EXPIRE DATE:</b>	APRIL.2026						
<b>TECHNICAL DETAILS</b>				<b>Black Magnetic Ink Manufacture:7HF</b>							
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>				<b>Batch No:230604</b>							
3640 Lux/S.NO:2722003	<b>Wet FLUORESCENT Particle Concentration 14 HF</b>		0.1 to 0.4 ml/100 ml								
<b>Cal Due Date:13.APRIL.2025</b>	<b>Black Magnetic Ink Concentration 7 HF</b>		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	JUNE.2026					

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Address; Noth Rumaila, Al Takamul Yard  
Contact: +9647810009138

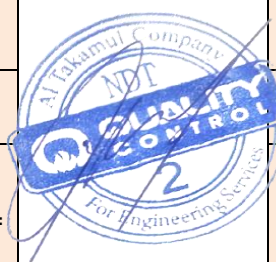
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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
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Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

<b>Client:</b>	HALLIBURTON (WPS)	<b>Report No:</b>	QC-25-0804-WPS-NDT-014
<b>Location:</b>	WPS YARD	<b>JOB NO:</b>	8042025
<b>Inspection Date:</b>	Tuesday, April 8, 2025	<b>Next Inspection Date:</b>	Tuesday, October 7, 2025
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
	<b>UNIT DESCRIPTION:</b>	LIFTING CAP WITH 3 1/2 IF PIN CONNECTION	
	<b>UNIT S/N:</b>	94545	
	<b>INSPECTION RESULT :</b>		
	<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION	
	<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & forgn areas inspected and found free from cracks and other defects	
	<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED	
<b>COMMENT:</b> (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast			



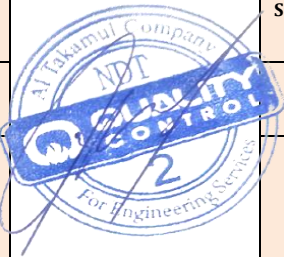
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY	
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	Shooting Coil DC	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3190 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN
<b>S.NO:</b>	201504052	<b>S.NO:</b>	22650	<b>S.NO:</b>	1898977		<b>STAMP &amp; SIGNATURE:</b>	<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	11.APRIL.2025	<b>Cal Due Date:</b>	12.APRIL.2025	<b>Cal Due Date:</b>	11.APRIL.2025			<b>CLIENT:</b>	<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Haliburton
<b>FLUORESCENT 14HF</b>	Magnaflux	<b>Batch No:</b>	230503	<b>EXPIRE DATE:</b>	MAY.2026				
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	230408	<b>EXPIRE DATE:</b>	APRIL,2026				
<b>TECHNICAL DETAILS</b>					<b>Black Magnetic Ink Manufacture:</b> 7HF				
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		<b>Batch No:</b> 230604				
<b>Cal Due Date:</b> 13.APRIL.2025	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	JUNE.2026			

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**  
Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**



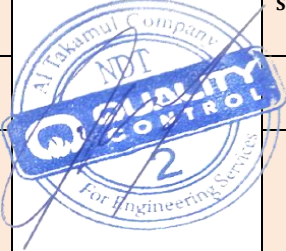
<b>Client:</b>	HALLIBURTON (WPS)			<b>Report No:</b>	QC-25-0804-WPS-NDT-015				
<b>Location:</b>	WPS YARD			<b>JOB NO:</b>	8042025				
<b>Inspection Date:</b>	Tuesday, April 8, 2025			<b>Next Inspection Date:</b>	Tuesday, October 7, 2025				
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				
				<b>UNIT DESCRIPTION:</b>	LIFTING CAP WITH 4 1/2 IF PIN CONNECTION				
				<b>UNIT S/N:</b>	001				
				<b>INSPECTION RESULT :</b>					
				<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION				
				<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & forgn areas inspected and found free from cracks and other defects				
				<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED				
				<b>COMMENT:</b> (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast					
<b>EQUIPMENT DETAILS</b>				<b>PERSON DETAILS</b>		<b>REVIEW BY</b>			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	Shooting Coil DC	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3190 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN
<b>S.NO:</b>	201504052	<b>S.NO:</b>	22650	<b>S.NO:</b>	1898977	<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT		<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	11.APRIL.2025	<b>Cal Due Date:</b>	12.APRIL.2025	<b>Cal Due Date:</b>	11.APRIL.2025				<b>CLIENT:</b>
<b>FLUORESCENT 14HF</b>	Magnaflux	<b>Batch No:</b>	230503	<b>EXPIRE DATE:</b>	MAY.2026				
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	230408	<b>EXPIRE DATE:</b>	APRIL,2026				
<b>TECHNICAL DETAILS</b>					<b>Black Magnetic Ink Manufacture:</b>	7HF			
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:230604				
<b>3640 Lux/S.NO:2722003</b>	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>		JUNE.2026		
<b>Cal Due Date:13.APRIL.2025</b>									

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AND PROFESSIONAL SAFETY LIMITED**  
Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

<b>Client:</b>	HALLIBURTON (WPS)			<b>Report No:</b>	QC-25-0804-WPS-NDT-016					
<b>Location:</b>	WPS YARD			<b>JOB NO:</b>	8042025					
<b>Inspection Date:</b>	Tuesday, April 8, 2025			<b>Next Inspection Date:</b>	Tuesday, October 7, 2025					
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)					
				<b>UNIT DESCRIPTION:</b>	LIFTING CAP WITH 4 1/2 IF PIN CONNECTION					
				<b>UNIT S/N:</b>	002					
				<b>INSPECTION RESULT :</b>						
				<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION					
				<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & forgn areas inspected and found free from cracks and other defects					
				<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED					
				<b>COMMENT:</b> (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast						
<b>EQUIPMENT DETAILS</b>				<b>PERSON DETAILS</b>			<b>REVIEW BY</b>			
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	Shooting Coil DC	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3190 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED			
<b>S.NO:</b>	201504052	<b>S.NO:</b>	22650	<b>S.NO:</b>	1898977		<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN		
<b>Cal Due Date:</b>	11.APRIL.2025	<b>Cal Due Date:</b>	12.APRIL.2025	<b>Cal Due Date:</b>	11.APRIL.2025		<b>QUALIFICATION:</b>	ASNT LEVEL II MT & PT & VT		
<b>FLUORESCENT 14HF</b>	Magnaflux	<b>Batch No:</b>	230503	<b>EXPIRE DATE:</b>	MAY.2026		<b>SUPERVISOR:</b>	HANI ALI		
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	230408	<b>EXPIRE DATE:</b>	APRIL,2026	<b>STAMP &amp; SIGNATURE:</b>	<b>CLIENT:</b>	<b>ALI Talib HB48903</b> Date: 09-04-2025 Signature Halliburton		
<b>Digital Lux Meter</b> WHITE LIGHT INTENSITY:	<b>TECHNICAL DETAILS</b>			<b>Black Magnetic Ink</b> Manufacture:7HF						
3640 Lux/S.NO:2722003	<b>Wet FLUORESCENT Particle Concentration 14 HF</b>	0.1 to 0.4 ml/100 ml		<b>Batch No:230604</b>						
<b>Cal Due Date:13.APRIL.2025</b>	<b>Black Magnetic Ink Concentration 7 HF</b>	1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	JUNE.2026					

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