



## D.PIN INSPECTION AFTER REPAIR CERTIFICATE

<b>Client Name:</b>	<b>HILONG OIL SERVICES &amp; ENGINEERING CO.LTD</b>	<b>Report No.:</b>	QC-02-24-0030-001
<b>Acceptance Creater:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date of Inspection:</b>	20.FEB.2024
<b>Work Location:</b>	ABERDEEN WORK SHOP BASRA IRAQ	<b>RIG NAME:</b>	HL-16
<b>Test Equipment &amp; Consumable Details</b>			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	<b>TECHNICAL DETAILS</b>	Wet Visible Continuous
BLACK INK 7HF	Batch#: 220605 Manufacture: Magnaflux Exp Date: JULY,2025	COIL(1200 AMP-TURNS/IN	SC 22713 Cal.14.FEB.2024 Cal Due15.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2025	A.C HAND YOKE	201504053 Cal. 14.FEB.2024 Cal Due15.AUG.2024
INTENSITY METER	SR# R.043943 Cal.14.FEB.2024 Cal Due 15.AUG.2024	UV BLACK LIGHT	SR#1900084 Cal. 14.FEB.2024 Cal Due15.AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 14.FEB.2024 CAL Due Date 15.AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date. 14.FEB.2024 CAL Due Date. 15.AUG.2024 SR#21335 CAL.Date. 14.FEB.2024 CAL Due Date. 15.AUG.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm <sup>2</sup>
Magnitismus Direction (Longitudenal)			
<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional</li> <li>• MPI inspection with Ultraviolet light</li> <li>*Lead Gaiging, Taper Gaiging &amp; Thread Profile Gaiging.</li> </ul>		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection																	
		Pin		Body			Pin						Body											
		Pin	Pin	Pin	Pin	Body	OD(In)	ID(In)	NECK ϕ(In)	SRG ϕ(In)	SRG ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	ID(In)	NECK ϕ(In)	SRG ϕ(In)	SRG ϕ(In)	Pin λ(In)	Bevel ϕ(In)	Pin Tong (In)	Pin Tong (In)	Overall λ (In)	
0913	SAVER .SUB	NC 50	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 7/16"	6 3/8"	---	---	---	---	---	---	---	---	---	---	8"
011608	SAVER .SUB	NC 50	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 7/16"	6 3/8"	---	---	---	---	---	---	---	---	---	---	9 1/2"
011608	SAVER .SUB	NC 50	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 7/16"	6 3/8"	---	---	---	---	---	---	---	---	---	---	8 1/2"
021505	SAVER .SUB	NC 50	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 7/16"	6 3/8"	---	---	---	---	---	---	---	---	---	---	8"
082210803	SAVER .SUB	NC 50	---	Acc	---	---	7 3/4"	3"	3/8"	---	---	4 7/16"	6 3/8"	---	---	---	---	---	---	---	---	---	---	8 1/8"

**Conclusion :** \*05 SAVER. SUB Above Were Found "Accepted" From Side Pin After Repair at The Time of Inspection.

### 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>Red</b>	Rejected.	<b>Yellow</b>	2 <sup>nd</sup> Class	<b>Orange</b>	3 <sup>rd</sup> Class	<b>Blue</b>	Need Repair	<b>Green</b>	Need Hard Banding	

<b>Inspector Name:</b>	SHERIF MOHAMED	<b>Review By</b>				
<b>Qualification:</b>	(N. Takamul Company II TUB (EMI))	<b>Senior Inspector:</b>	MOHAMED FAHAD	<b>Supervisor:</b>	MOHAMED WAQAS	<b>Customer Name:</b>
<b>Signature:</b>						<b>Customer Signature:</b>

Original - Client Files Copy - Area Office QC/FN/UFD/15 Rev.00 Dated 07.NOV.2021







## D.PIN INSPECTION AFTER REPAIR CERTIFICATE

Client Name:	<b>HILONG OIL SERVICES &amp; ENGINEERING CO.LTD</b>	Report No.:	QC-02-24-0030-003
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	20.FEB.2024
Work Location:	ABERDEEN WORK SHOP BASRA IRAQ	RIG NAME:	HL-16
<b>Test Equipment &amp; Consumable Details</b>			
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INTENSITY METER	SR# R.043943 Cal.14.FEB.2024 Cal Due 15.AUG.2024	UV BLACK LIGHT	SR#1900084 Cal. 14.FEB.2024 Cal Due15.AUG.2024
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						Pin							Pin				Body						
		Pin	Pin	Pin	Pin	Body	OD(In)	ID(In)	NECK ϕ(In)	SRG ϕ(In)	SRG ϕ (In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	ID(In)	NECK ϕ(In)	SRG ϕ(In)	SRG ϕ (In)	Pin λ(In)	Bevel ϕ(In)	Pin Tong (In)	Pin Tong (In)	Overall λ (In)
072209404	SAVER .SUB	5 1/2 F.H	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 15/16"	6 3/8"	---	---	---	---	---	---	---	---	---	8"
072209530	SAVER .SUB	5 1/2 F.H	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 15/16"	6 3/8"	---	---	---	---	---	---	---	---	---	8"
072209405	SAVER .SUB	5 1/2 F.H	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 15/16"	6 3/8"	---	---	---	---	---	---	---	---	---	8"
072209406	SAVER .SUB	5 1/2 F.H	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 15/16"	6 3/8"	---	---	---	---	---	---	---	---	---	8"
072209402	SAVER .SUB	5 1/2 F.H	---	Acc	---	---	7 3/8"	3"	3/8"	---	---	4 15/16"	6 3/8"	---	---	---	---	---	---	---	---	---	8"

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Colors Code:		Red	Rejected.	Yellow	2 <sup>nd</sup> Class	Orange	3 <sup>rd</sup> Class	Blue	Need Repair	Green	Need Hard Banding

Inspector Name:	SHERIF MOHAMED	Review By				
Qualification:	(M. Takamul Company) (MI)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	MOHAMED WAQAS	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/UFD/15 Rev.00		Dated 07.NOV.2021



