

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

Basra, North Rumaila, Quality Control Yard - Iraq

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CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION

Customer:	HALLIBURTON SPERRY DRILLING	Date Of Service :	Tuesday, May 21, 2024			
Work Location:	Burjesia Halliburton Base Basra - IRAQ	Report No:	QC-25-HAL-SP-BJS-DPI-NDT-BULID-011			
Acceptance Creteria :	DS-1 Volume 4- 5th Edition	Work Order.:	328013721			
HAL DOCUMENTS :	D01860184 Rev M (Visual Procedure D00305796 Revision Z) (LPI Procedure D00976849 Revision F)	4-3/4" STEERING HEAD :	13525655			
TYPE OF INSPECTION	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)					
DESCRIPTION:	4-3/4" PAD PDC					
STEERING HEAD PARTICLES IMAGES						
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE						
PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes			
Test Part Temperature:	88 °F	WHITE LIGHT INTENSITY:	3610 LUX			
Test Equipment & Consumable Details						
COMPARATOR BLOCK	SR#11223 CAL.Date 09.APT.2025 Cal Due 08.OCT.2025	Digital Lux Meter	SR#2722003 CAL.Date 09.APT.2025 Cal Due 08.OCT.2025			
INFRARED THERMOMETER	SR#201704125 CAL.Date 09.APT.2025 Cal Due 08.OCT.2025	PRESSURE GAUGE	SR# SSR825 Cal Due 07.OCT.2025			
Red Penetrant Manufacture:	Magnaflux	Batch No: 230606	EXPIRE DATE :FEB,2026			
Developer Manufacture:	Magnaflux	Batch No: 230608	EXPIRE DATE :June,2026			
Serial Number	13568773	STEERING PAD	PAD HOUSING	Serial Number	13590035	
Serial Number	13637198			Serial Number	13590023	
Serial Number	13637197			Serial Number	13475696	
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE	
Serial Number	13825521	BORE	PISTON PAD	Serial Number	4515899391-2-4	
Serial Number	13825523			Serial Number	4515899391-2-6	
Serial Number	13825547			Serial Number	4516266261-2-15	
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE	
Upper lateral pad Serial Number	4514430351-3-45	LATERAL PAD	STEERING PAD BOLT	Serial Number	13614678	
Serial Number	4514121338-1-21			Serial Number	13629585	
Serial Number	451443051-3-15			Serial Number	13497440	
Lower lateral pad Serial Number	4514430351-3-22			Serial Number	13471282	
Serial Number	4514121338-1-32			Serial Number	13614684	
Serial Number	4514121338-1-39			Serial Number	13629540	
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE	
Serial Number	4515583224-3-24	SEAL GLAND	ONLINE TRACEABILITY			
Serial Number	4515517346-9-33					
Serial Number	4515583224-3-49					
CONDITION	ACCEPTABLE					
REMARKS..	All Parts Mentioned above were found "Acceptable" At time of Inspection & Ready to Use,					
Inspector Name:	M.Shahzad Ahmed	Review By				
Qualification:	ASNT Level 3	Senior Inspector:	Naveed Hussain	Supervisor:	Hani Ali	Customer Name Signature:
Signature:						
Original - Client Files		Copy - Area Office		QC/FN/DPI/NDT/022 Rev.00 Dated: 07 Nov 2021		