

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

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657



CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION

Customer:	HALLIBURTON SPERRY DRILLING	Date Of Service :	20-Mar-2025		
Work Location:	Burjesia Halliburton Base Basra - IRAQ	Report No:	QC-24-HAL-SP-BJS-DPI-NDT-BULID-010		
Acceptance Creteria :	DS-1 Volume 4- 5th Edition	Work Order.:	327733937		
HAL DOCUMENTS :	ICRUISE D01860184 Rev L (Visual Procedure D00305796 Revision E) (LPI ProcedureD00976849 Revision F)	4-3/4" STEERING HEAD :	13466375		
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 14.OCT.2024 Cal Due 13.APR.2025	Digital Lux Meter	SR#2722003 CAL.Date 14.OCT.2024 Cal Due 13.APR.2025		
INFRARED THERMOMETER	SR#201704125 CAL.Date 14.OCT.2024 Cal Due 13.APR.2025	PRESSURE GAUGE	SR# SSR825 Cal Due 13.APR.2025		
Red Penetrant Manufacture:	Magnaflux	Batch No: 230606	EXPIRE DATE :June,2026		
Developer Manufacture:	Magnaflux	Batch No: 230608	EXPIRE DATE :June,2026		
Serial Number	13633949	STEERING PAD	PAD HOUSING	Serial Number	13407410
Serial Number	13683656			Serial Number	13407411
Serial Number	13328245			Serial Number	13407409
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE
Serial Number	13815968	BORE	PISTON PAD	Serial Number	4516297553-1-35
Serial Number	13765738			Serial Number	4516266251-2-11
Serial Number	13765734			Serial Number	4515899391-2-9
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE
Upper lateral pad Serial Number	4514410758-5-72	LATERAL PAD	STEERING PAD BOLT	Serial Number	13614699
Serial Number	4514410758-5-74			Serial Number	13261037
Serial Number	4514410758-5-10			Serial Number	13261035
Lower lateral pad Serial Number	4514410758-4-34			Serial Number	13261053
Serial Number	4514430351-2-32			Serial Number	13614694
Serial Number	4514410758-4-124			Serial Number	13261054
CONDITION	ACCEPTABLE			CONDITION	ACCEPTABLE
Serial Number	4515583224-3-27	SEAL GLAND		ONLINE TRACEABILITY	
Serial Number	4515583224-3-6				
Serial Number	4515583224-3-43				
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
Signature:		Customer Name Signature:			
Original - Client Files		Copy - Area Office			