

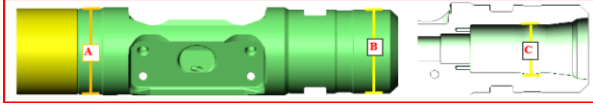
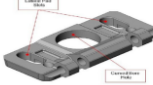
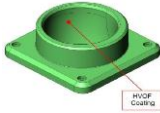
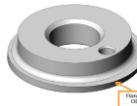
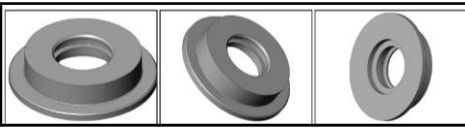
**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

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 :	Monday, November 11, 2024			
Work Location:	Burjesia Halliburton Base Basra - IRAQ	Report No:	QC-24-HAL-SP-BJS-DPI-NDT-BULID-006			
Acceptance Criteria :	DS-1 Volume 4- 5th Edition	Work Order.:	327297702			
HAL DOCUMENTS :	D01860184 Rev J (Visual Procedure D00305796 Revision X) (LPI Procedure D00976849 Revision F)	4-3/4" STEERING HEAD :	135256550			
TYPE OF INSPECTION	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)					
DESCRIPTION:	4-3/4" PAD PDC					
STEERING HEAD PARTICLES IMAGES						
TECHNICAL DETAILS						
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE						
PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes			
Test Part Temperature:	98 °F	WHITE LIGHT INTENSITY:	3625 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	WATER PRESSURE 30 PSI	Batch No: 220511			
Developer Manufacture:	Magnaflux	Batch No: 220302	EXPIRE DATE :May,2025			
Serial Number	13568773	STEERING PAD	PAD HOUSING			
Serial Number	13637198					
Serial Number	13637197					
CONDITION	ACCEPTABLE					
Serial Number	13825521	BORE	PISTON PAD			
Serial Number	13825523					
Serial Number	13825547					
CONDITION	ACCEPTABLE					
Upper lateral pad Serial Number	4514430351-3-45	LATERAL PAD	STEERING PAD BOLT			
Serial Number	4514121338-1-21					
Serial Number	451443051-3-15					
Lower lateral pad Serial Number	4514430351-3-22					
Serial Number	4514121338-1-32					
Serial Number	4514121338-1-39					
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 1	Senior Inspector:	Customer Name Signature:			
Signature:		Naveed Hussain	Hani Ali			
Original - Client Files		Copy - Area Office	QC/FN/DPI/NDT/022 Rev.00 Dated: 07 Nov 2021			