

Quality Certificate

Description	7" Supper Casing Scraper (23ppf-29.5ppf)				Material	4145H		
Serial No	19L02002	Smelt No	0818093		Heat No	19L02002		
UT Report								
Non destructive test :								
Ultrasonic inspection					PASS			
MPI inspection					NO Cracks			
Thread connection are phosphated					ACCEPT			
Inspection Results: The unacceptable defects not found.								
Chemical analysis								
Contents	C	Si	Mn	P	S	Cr	Mo	
Requirement	0.37-0.45	0.17-0.37	0.9-1.2	≤0.035	≤0.035	0.9-1.2	0.25~0.35	
Test Results	0.40	0.23	1.02	0.012	0.008	1.01	0.33	
Mechanical Properties								
Tests	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)	Impact Strength (J)	Brinell Hardness (HBW)			
Requirement	≥980	≥785	≥13.0	≥63	258-341			
Test Results	1142	1020	17.5	78/71/75	312`			
Check Items								
OD	ID	Upper Thread NC38	Lower Thread NC38	Length				
153mm	38mm	OK	OK	2305				
Final Evaluation								
This commodity has passed all the technical and performance Tests carried by quality control/inspection department.								

Checked By: HUA JIANGUO
Approved By: HUA JIANGUO

Date: 2020.3.1
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