

JYOTI HEAT TREATMENT PVT LTD.

Plot No.: J-199 , M.I.D.C, Bhosari , Pune-26,
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TEST REPORT

General Information

Certificate No: JHTPL/5.021	Date: 2025-04-17
Customer: SR Auto Parts	Part Name: Cluster Gear
Material: 20MnCr5	Prepared By: Mahesh Nighojkar
Punching No: NA	
Batch No: NA	
Remarks: Accepted	

Parts

Part No	Quantity
1A010108	120
2603009805	170

Parameters

Parameter	Specified	Actual
Heat Treatment	CHT	CHT
Surface Hardness	59-63 HRC	60-61 HRC
Core hardness	35-45 HRC	40-41 HRC
Case depth @ PCD	0.47-0.68 mm	0.65 MM
Microstructure	Tempered Martensite	Tempered Martensite

Hardness Traverse

Location	Distance (mm)	Hardness (HV1)	Hardness (HRC)
At PCD	0.1	755	0
At PCD	0.2	745	0
At PCD	0.3	254	0
At PCD	0.4	553	0
At PCD	0.5	525	0

Surface Hardness Samples

Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
60 HRC	61 HRC	60 HRC	61 HRC	60 HRC