

**JYOTI HEAT TREATMENT PVT LTD.**

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Doc No: JHTPL/QA/F-04

Rev No: 00/--

Rev Date: 01/01/2023

TEST CERTIFICATE

Test certificate no:	JHTPL/3.215/2025	Customer Name:	Gradient Machinery Pvt. Ltd
Part no.:	BMM11C00560	Part name:	Intermediate Gear
Date:	2025-06-18	Material:	20Mn5Cr5H
ID No.:	-	Qty.:	86 Nos

Parameters

Parameter	Specified	Actual
Heat Treatment	CHT	CHT
Surface Hardness	58 - 62 HRC	60-61 HRC
Core hardness @ RCD	NA	37 HRC
Case depth @ PCD	0.60-0.90 mm @550 HV1	0.80 mm
Microstructure	Tempered Martensite	Tempered Martensite

Hardness Traverse:

Distance(mm)	Hardness (HV1)	Distance(mm)	Hardness (HV1)
0.1	740	-	-

Surface Hardness of 05 Samples:

Sample Nos.	1	2	3	4	5
Surface Hardness in HRC	62	61	62	61	62

Remarks: Accepted

Input Shaft Z - 19 BMM11C00560 is cut for micro.

Prepared By: Mahesh Pawar