

PERFECT MET LAB & CONSULTANCY

Metal Testing Lab

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TC-4085

METALLURGICAL TEST REPORT

T. C. No : 3238
ULR No. : TC408524000003238f
Date of Receipt : 30.07.2024
Date of Testing : 02.08.2024
Date of Report : 02.08.2024
Lab Job No. PMLC/3238/2425/DCM

1. Metallography Test, Metals & Its Alloys
Type of Test : Microstructure Examination
Identification of Sample : TRB 1_1-2 INNER
Condition of Sample : Case Hardened & Tempered
Material Specification : SAE 8620
Test Method : ASM HANDBOOK VOLUME - 9 : 2004
Etchant : 3 % Nital
Magnification : 100x, 1000x

Results :



CASE AREA



CORE AREA

Microstructure : CASE AREA : Tempered Martensite structure observed.
CORE AREA : Bainitic structure observed.



Tested By :

Authorized Signature
Naresh Paul (TM/CEO)

Witnessed By :

- Note :-
- 1) The results relate only to the sample(s) tested.
 - 2) Sample(s) submitted by party, not drawn by Perfect Met Lab & Consultancy (PMLC).
 - 3) This certificate shall not be reproduced except in full, without the written approval of the Lab.
 - 4) Sample or balance material will be retained for 15 days. Pl. collect the same, if required, before it.
 - 5) While PMLC has made their best endeavors to provide accurate and reliable information, PMLC is not responsible for any financial liability due to any act of omission or error made.

-----END OF REPORT-----

