



ULR No : TC138972600000649F

### Test Report

Report No : RC/649/2026 - 2027

Date : 10.04.2026

Customer : M/s. Frigate Engineering Services Pvt Ltd.,  
Plot No: 10-A, First Floor, V.V.Complex,  
Prakash Nagar, Thiruverumbur.  
Trichy - 620 013.

Page 1 of 1

Letter Reference : Letter Dt 10.04.2026

Description : Hardness & PMI Test Requirements

Sample Description : Hammer Beater

Sample Size : 150 x 50 x 4 mm Thick

Sample Received on : 10.04.2026

Test Performed on : 10.04.2026

**I. HARDNESS TEST :** (Test method as per ASTM E18 : 2025)

(As per Customer requirement)

Equipment Used : Rockwell Hardness Tester  
Sl. No : SN 5451

Make : Saroj  
Cal. Due On : 17.01.2026

ID. No	Hardness Values are in HRC			Average Value in HRC
Hammer Beater	35.3	36.3	35.0	<b>36</b>

Remarks : Observed Values are reported.

**II. POSITIVE MATERIAL IDENTIFICATION : (%)**

(Test Method as per ASME Section I : 2025)

Equipment Used : Spectro X Sort

Instrument Sl.No : 10003920

ID. No	Elements				Remarks
	Cr	Ni	Mo	Mn	
Hammer Beater	0.019	0.11	0.033	1.26	Main alloying elements indicate the material is to be 'CS'.

\*\*\*END\*\*\*

Tested By : C. Navin - Testing Engineer



**T. NATARAJAN**

**General Manager**

Authorised By

- \* The test results computed above have been carried out in conformity with standard testing procedures and relevant specifications.
- \* This results relate ONLY to the items tested.
- \* The report shall not be reproduced in part/full, without the approval of RC Lab.
- \* Sample will be disposed of after 15 days from the date of issue of test reports.
- \* Laboratory reports statement of conformity to material specification as per Decision Rule: w = 0 (Binary Statement for Simple Acceptance)