National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TATA STEEL LIMITED, MED LUB LAB, TATA STEEL LTD. MED LAB MECHANICAL, LUBRICATION, P.O:BISTUPUR, JAMSHEDPUR, EAST SINGHBUM, JHARKHAND, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11105 **Page No** 1 of 1

Validity 29/10/2022 to 28/10/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- LUBRICANTS	Lubricating oil	Additive Depletion (FTIR Technique)	ASTM D 7412
2	CHEMICAL- LUBRICANTS	Lubricating oil	Density	ASTM D 7042-21a
3	CHEMICAL- LUBRICANTS	Lubricating Oil	Density	ASTM D4052-18a
4	CHEMICAL- LUBRICANTS	Lubricating Oil	Ferrographic Analysis	ASTM D7690 -11
5	CHEMICAL- LUBRICANTS	Lubricating Oil	Kinematic Viscosity	ASTM D7042 - 21
6	CHEMICAL- LUBRICANTS	Lubricating oil	Kinematic Viscosity (100 Degree Centigrade)	ASTM D 7042-21a
7	CHEMICAL- LUBRICANTS	Lubricating Oil	Moisture Content	ASTM D4928 - 12
8	CHEMICAL- LUBRICANTS	Lubricating oil	Nitration (FTIR Technique)	ASTM D 7624
9	CHEMICAL- LUBRICANTS	Lubricating oil	Oxidation (FTIR Technique)	ASTM D 7414
10	CHEMICAL- LUBRICANTS	Lubricating oil	Soot (FTIR Technique)	ASTM D 7844
11	CHEMICAL- LUBRICANTS	Lubricating oil	Sulfate (FTIR Technique)	ASTM D 7415
12	CHEMICAL- LUBRICANTS	Lubricating Oil	Total Acid Number (TAN)	ASTM D664
13	CHEMICAL- LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D2270
14	CHEMICAL- LUBRICANTS	Lubricating oil	Water In Oil (FTIR Technique)	ASTM E2412-10