



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name LUBRICANT TESTING LABORATORY, MVS ACMEI TECHNOLOGIES PVT. LTD,
PLOT NO: 31, LEEVEN HEIGHTS, SY NO: 66 & 67, JUBILEE ENCLAVE, MADHAPUR,
HYDERABAD, RANGAREDDY, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8353 Page No. : 1 / 2

Validity 21/02/2019 to 20/02/2021 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-LUBRICANTS	Lubricating Oils	Kinematic Viscosity (100 °C)	ASTM D 445 – 17a: 2017	1 cSt to 200 cSt
2	CHEMICAL-LUBRICANTS	Lubricating Oils	Kinematic Viscosity (40 °C)	ASTM D445: 2017	10 cSt to 1200 cSt
3	CHEMICAL-LUBRICANTS	Lubricating Oil	Moisture content	ASTM D6304 16e1 : 2016	10 mg/kg to 25000 mg/kg
4	CHEMICAL-LUBRICANTS	Lubricating oil	Particle Count{(4 µm(c), 6 µm(c), 14 µm(c))}(ISO Cleanliness Level Code)	ISO 4406: 2017	1 to 24
5	CHEMICAL-LUBRICANTS	Lubricating oil	Particle Count{(5-15 µ, 15-25 µ, 25-50 µ, 50-100 µ > 100 µ)}(ISO Cleanliness Level Code)	NAS 1638/ ISO 11171: 2016	1 to 12
6	CHEMICAL-LUBRICANTS	Lubricating oil	Total Acid Number (TAN)	ASTM D 664: 2017	1 mg KOH/g to 5 mg KOH/g
7	CHEMICAL-LUBRICANTS	Lubricating oil	Total Base Number (TBN)	ASTM D4739: 2017	0.1 mg KOH/g to 40 mg KOH/g
8	CHEMICAL-LUBRICANTS	Lubricating Oil	Viscosity Index	ASTM D2270-10 (Reapproved 2016): 2016	Qualitative(80 to 280)



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9	CHEMICAL-LUBRICANTS	Lubricating Oils	WEAR DEBRIS ANALYSIS / ANALYTICAL FERROGRAPHY Types of Particles 1. Rubbing Wear Particles 2. Severe Wear Particles 3. Abrasive Wear Particles 4. Chunks (Fatigue) 5. Resorbed (Laminar) Particles 6. Spheres 7. Dark Metallo-Oxide Particles 8. Red Oxide Particles 9. Corrosive Wear Debris 10. Nonferrous Metal Particles 11. Nonmetallic Crystalline Particles 12. Nonmetallic Amorphous Particles 13. Friction Polymers 14. Fibers 15. Copper Wear Particles	ASTM D7690-11: 2017	Qualitative (5 microns to 100 microns)