National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WEARCHECK LABORATORIES INDIA PVT. LTD., 16 B, KAMAKOTI NAGAR, MAIN ROAD, PALLIKARANAI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6372 **Page No** 1 of 3

Validity 11/10/2021 to 10/10/2023 **Last Amended on** 02/11/2021

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	COMPRESSOR / TURBINE OIL	Nickle	ASTM D 5185
2	CHEMICAL- LUBRICANTS	ENGINE OIL	FUEL DILUTION	ASTM D 3828
3	CHEMICAL- LUBRICANTS	ENGINE OIL	Nickle	ASTM D 5185
4	CHEMICAL- LUBRICANTS	ENGINE OIL	Phosphorus	ASTM D 5185
5	CHEMICAL- LUBRICANTS	GEAR OIL	Nickle	ASTM D 5185
6	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Aluminium	ASTM D 5185
7	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	ANALYTICAL FERROGRAPHY	ASTMD7690-11
8	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Calcium	ASTM D 5185
9	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Chromium	ASTM D 5185
10	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Copper	ASTM D 5185
11	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Density	ASTM D 4052
12	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR)	ASTM E2412-10
13	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Iron	ASTM D5185
14	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	KINEMATIC VISCOSITY @ 100 DEG C	ASTM 7279
15	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	KINEMATIC VISCOSITY @ 40 DEG	ASTM D 7279
16	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Lithium	ASTM D 5185
17	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Magnesium	ASTM D 5185
18	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Manganese	ASTM D 5185
19	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Molybdenum	ASTM D 5185
20	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	PARTICLE COUNT	ISO 4406

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Certificate Number	TC-6372	**Page No**	2 of 3
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21	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	PARTICLE QUANTIFIER	ASTM D 8184
22	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Phosphorus	ASTM D 5185
23	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Silicon	ASTM D 5185
24	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Sodium	ASTM D 5185
25	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	TOTAL ACID NUMBER	ASTM D 974
26	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	TOTAL BASE NUMBER	ASTM D4739
27	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Vanadium	ASTM D 5185
28	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	WATER BY KARL FISCHER	ASTM D 6304
29	CHEMICAL- LUBRICANTS	Gear Oil/ Hydraulic Oil/ Compressor Oil/ Engine Oil/ Turbine Oil	Zinc	ASTM D 5185
30	CHEMICAL- LUBRICANTS	Grease	Analytical Ferrography	ASTM D7690-11
31	CHEMICAL- LUBRICANTS	Grease	Calcium	ASTM D 5185
32	CHEMICAL- LUBRICANTS	Grease	Iron	ASTM D 5185
33	CHEMICAL- LUBRICANTS	Grease	Lithium	ASTM D 5185
34	CHEMICAL- LUBRICANTS	Grease	Molybdenum	ASTM D 5185
35	CHEMICAL- LUBRICANTS	Grease	Particle Quantification	ASTM D8184
36	CHEMICAL- LUBRICANTS	Grease	Silicon	ASTM D 5185
37	CHEMICAL- LUBRICANTS	Grease	Sodium	ASTM D 5185
38	CHEMICAL- LUBRICANTS	HYDRAULIC OIL	Nickle	ASTM D 5185
39	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DENSITY @ 15 degC	ASTM D 4052
40	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	DISTILLATION 95% Recovery	ASTM D 86
41	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	FLASH POINT	ASTM D93
42	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	KINEMATIC VISCOSITY @ 40 DEGC	ASTM D 7279

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43	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	TOTAL ACID NUMBER	ASTM D 974
44	CHEMICAL- PETROLEUM AND PRODUCTS	HSD	WATER BY KARL FISCHER	ASTM D 6304