

Laboratory **Wearcheck Laboratories India Pvt. Ltd., No 16 B, Kamakoti Nagar,
Main Road, Pallikaranai, Chennai, Tamil Nadu**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6372**

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Validity **06.10.2017 to 05.10.2019**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I.	LUBRICANTS			
1.	Gearoil Hydraulic oil Compressor oil Engine oil Turbine Oil	Kinematic Viscosity@40° C	ASTM D7279 -16	2 cSt to 1200 cSt
		Kinematic Viscosity@100°C	ASTM D7279 -16	2 cSt to 100cSt
		Water by Karl Fischer	ASTM D6304 -16	10 mg/kg to 10000 mg/kg
		Total Acid Number	ASTM D974 - 14	0 to 20mg KOH/g
		Total Base Number	ASTM D4739 - 11	6 to 40 mg KOH/g
		ELEMENTAL ANALYSIS BY ICP SPECTROSCOPY	ASTM D5185-13	
		IRON		0.1 mg/kg to 1500 mg/kg
		COPPER		0.4 mg/kg to 1500 mg/kg
		CHROMIUM		0.2 mg/kg to 1000 mg/kg
		ALUMINIUM		1 mg/kg to 1000 mg/kg
		SILICON		10 mg/kg to 1000 mg/kg
		MOLYBDENUM		0.5mg/kg to 2000 mg/kg
		PHOSPHORUS		4 mg/kg to 5000 mg/kg
	ZINC		0.2 mg/kg to 5000 mg/kg	
	MAGNESIUM		0.04 mg/kg to 5000 mg/kg	
	CALCIUM		0.05 mg/kg to 5000 mg/kg	