

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>Accredited to ISO/IEC 17025:2017</p>	Jet-Care International Inc	
	Issue No: 028 Issue date: 08 June 2021	
	3 Saddle Road Cedar Knolls New Jersey 07927 USA	Contact: Mrs A Potere Tel: + 001-973-292-9597 E-Mail: alisonpotere@jet-care.com Website: www.jet-care.com
Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
COOLANTS Engine Coolants (monitoring to determine fitness for purpose)	<u>Chemical and Physical Tests</u> Anions: Chloride, Nitrate, Nitrite, Phosphate Sulphate Determination of Coolant Properties – by Refractive Index with calculation of freeze point, %ethylene glycol and boiling point	Documented In-House Methods M054 based on ASTM D5827 by Ion Chromatography M052 based on ASTM D3321
PETROLEUM and PETROLEUM PRODUCTS, OILS and LUBRICANTS Oils	<u>Chemical and Physical Tests</u> Blotter Spot Test Colour Crackle test Density and Specific Gravity Elemental analysis: Ag, Al, B, Ba, Be, Ca, Cd, Cl, Cr, Cu, Fe, Li, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Si, Sn, Ti, V, W, Zn Ferromagnetic particles Flash Point (Cleveland Cup)	Documented In-House Methods ASTM D7899 (modified) M009 based on ASTM D6045 Automatic Tristimulus method with conversion to ASTM D1500 M026 M011 based on ASTM D5002 M019 based on ASTM D5185 by ICP M025 by Particle Quantifier M020 based on ASTM D92



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PETROLEUM and PETROLEUM PRODUCTS, OILS and LUBRICANTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Documented In-House Methods (cont'd)
Oils (cont'd)	Flash point Go-no-go	M001 Closed cup based on ASTM D7094 and ASTM D93A (mode) Eralytics Automatic Flash Point tester
	Fuel Dilution	M037 by GC based on ASTM D3524
	General filter debris	M032
	Initial pH (IpH)	M016 by IpH meter
	Insoluble material	M010 by membrane filtration
	Measurement of Antioxidant Content	M039 based on ASTM D6971 by RULER
	Metallic debris	M022
	Oxidation, Nitration, Soot, etc	M017 using FTIR
	Particle (alloy type)	M013 by Scanning Electron Microscope
	Size and Number of Particles	M033 based on NAS 1638, ISO4406, SAE4059
	Total Acid Number	M007 based on ASTM D664
	Total Base Number	M006 based on ASTM D2896
	Total Base Number (0.1 to 250mg KOH/g)	ASTM D4739-17 by titration
	Viscosity	M002 based on ASTM D445
	Vicosity Index calculatedfrom Viscosity at 40°C and 100°C	ASTM D2270-10 (2016) by calculation
	Water content	M023 based on ASTM D6304



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TRANSFORMER OILS	<u>Chemical and Physical Tests</u> Dissolved Gases Dielectric Breakdown Voltage	Documented In-House Methods M050 based on ASTM D3612 by Head Space Gas Chromatography M051 based on ASTM D1816 and ASTM D877
END		