

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>1961</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Jet-Care International Inc</h3> <p>Issue No: 026 Issue date: 22 June 2018</p>	
	<p>3 Saddle Road Cedar Knolls New Jersey 07927 USA</p>	<p>Contact: Mrs A Potere Tel: + 001-973-292-9597 Fax: + 001-973-267-3224 E-Mail: alisonpotere@jet-care.com Website: www.jet-care.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>COOLANTS</p> <p>Engine Coolants (monitoring to determine fitness for purpose)</p>	<p><u>Chemical and Physical Tests</u></p> <p>Anions: Chloride, Nitrate, Nitrite, Phosphate Sulphate</p> <p>Determination of Coolant Properties – by Refractive Index with calculation of freeze point, %ethylene glycol and boiling point</p>	<p>Documented In-House Methods</p> <p>M054 based on ASTM D5287 by Ion Chromatography</p> <p>M052 based on ASTM D3321</p>
<p>PETROLEUM and PETROLEUM PRODUCTS, OILS and LUBRICANTS</p> <p>Aviation Oils and Dark Oils</p> <p>Oils</p>	<p><u>Chemical and Physical Tests</u></p> <p>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</p> <p>Colour</p> <p>Ferromagnetic particles</p>	<p>Documented In-House Methods</p> <p>M019 adapted from ASTM D5185 by ICP</p> <p>M009 based on ASTM D6045 Automatic Tristimulus method with conversion to ASTM D1500 and IP 196</p> <p>M025 by Particle Quantifier</p>



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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 (Cleveland Cup)	M020 based on D92
	Fuel Dilution	M037 by GC based on ASTM D3524
	Initial pH (IpH)	M016 by IpH meter
	Particle (alloy type)	M013 by Scanning Electron Microscope
	Oxidation, Nitration, Soot, etc	M017 using FTIR
	Total Acid Number	M007 based on ASTM D664
	Total Base Number	M006 based on ASTM D4739-17
	Total Base Number (0.1 to 250mg KOH/g)	ASTM D4739-11 by titration
	Viscosity	M002 based on ASTM D445
	Viscosity Index calculated from Viscosity at 40°C and 100°C	ASTM D2270-10 (2016) by calculation
Used Oils	Water content	M023 based on ASTM D6304
	Blotter Spot Test	In house method based on ASTM D7899-13 (modified)
	Crackle test	M026
	Density and Specific Gravity	M011 based on ASTM D5002
	Flash point Go-no-go	M001 Closed cup based on ASTM D7094 and ASTM D93A (mode) Eralytics Automatic Flash Point tester
	General filter	M032
	IpH	M016 by IpH meter
	Insoluble material	M010 by membrane filtration



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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)
Used Oils (cont'd)	Metallic debris	M022
	Size and Number of Particles	M033 by HIAC M045 by PODS
	Measurement of Antioxidant Content	M039 based on ASTM D6971 by RULER
TRANSFORMER OILS	<u>Chemical and Physical Tests</u>	Documented In-House Methods
	Dissolved Gases	M050 based on ASTM D3612 by Head Space Gas Chromatography
	Dielectric Breakdown Voltage	M051 based on ASTM D1816 and ASTM D877

END