

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 Accredited to ISO/IEC 17025:2005	Inspectorate International Ltd	
	Issue No: 020 Issue date: 20 February 2012	
	Unit 7 Prince William Drive Queens Road Immingham North East Lincolnshire DN40 1QR	Contact: Mr A Pearman Tel: +44 (0)1469 571740 Fax: +44 (0)1469 571591 E-Mail: alexis.pearman@inspectorate.com Website: www.inspectorate.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Unit 7 Prince William Drive Queens Road Immingham North East Lincolnshire DN40 1QR	Local contact Mr Richard Blyth Tel: +44 (0)1469 571740 Fax: +44 (0)1469 571591 Email: richard.blyth@inspectorate.com Website: www.inspectorate.com	Oil, Gas and Petrochemical Physical and Chemical Analysis	A
Address Haverton Hill Road Billingham Cleveland TS23 1QF	Local contact Contact via Immingham Office	Aviation Fuel Physical and Chemical Analysis	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PETROLEUM AND PRODUCTS	<u>Chemical and Physical Tests</u>	An asterisk (*) indicates a Joint Method (eg IP xxx*ASTM Dxxx) A hash (#) indicates an equivalent standard (eg IP xxx # ISO xxxx) Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented in house procedures	
	Air saturated vapour pressure	IP 394 ASTM D5191	A
	Al, Si, V, Ni, Fe, Na, Ca, Zn and P in residual fuel oil	IP 501 by ICPES	A
	Aromatics	IP156 # EN 15553 ASTM D1319 IP 391/90 (obsolete)	A
	Ash content	IP4 # ISO 6245 ASTM D482	A
	Asphaltenes	IP143 ASTM D6560	A
	Benzene in Gasoline	ASTM D3606 Mod	A
	Burning Test	IP10	A
	Calculated Carbon Aromaticity Index (CCAI)	ISO 8217 Annex F	A
	Calorific value	BS 2869 Part 1:1988 (withdrawn)	A
	Carbon, Hydrogen and Nitrogen	ASTM D5291	A
	Cetane Index	IP380 # ISO 4264 ASTM D4737-96 ASTM D976-04b	A



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	Cloud Point	IP219 # ISO 3015 ASTM D 2500	A
	Cold Filter Plugging Point (CFPP) of distillate fuels	IP309 # EN 116	A
	Colour	ASTM D1209 IP196 # ISO 2049 ASTM D1500	A
	Compatibility - residual fuels	ASTM D4740	A
	Conradson Carbon Residue (CCR)	IP13 # ISO 6615 ASTM D189	A
	Total contamination in middle distillates	IP 440 BS EN 12662 BS 2000-440	A
	Copper Corrosion - Petroleum	IP154 # ISO 2160 ASTM D130	A
	Density and relative density	IP365 # ISO 12185 ASTM D4052	A
	Distillation - Petroleum products	ASTM D86 IP123 # ISO 3405	A
- Volatile Organic Liquids	IP195, ASTM D1078		
Doctor Test	IP30	A	



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	Flash Point:		A
	- Pensky Martin	IP34 # ISO 2719 ASTM D93	
	- Abel Closed cup	IP170/99 # ISO 13736	
	- Rapid equilibrium closed cup	IP 523 # ISO 3679	A
	Heat of combustion of liquid hydrocarbon fuels	ASTM D240	A
	Hydrocarbon types and oxygenates in petrol	EN 14517-2004 (obsolete) # IP 526/05 BS EN ISO 22854 ASTM D5443	A
	Ignition delay and derived cetane number of middle distillate fuels	IP 498 by combustion in a constant volume chamber	A
	MON calculation	BS EN 589	A
	Olefins	IP156 # EN 15553 ASTM D1319	A
	Pour point	IP15 # ISO3016 ASTM D97	A
	Refractive Index of Hydrocarbon liquids	ASTM D1218	A
Residues	IP317 ASTM D2158	A	
R-Number (residue)	IP317 ASTM D2158	A	



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	Sediments in crude oil	IP53 # ISO 3735 ASTM D473	A
	Smoke Point of Aviation Turbine Fuels	IP57*ASTM D1322	A
	Strong Acid Number	IP139 # ISO 6618 ASTM D974	A
	Strong and weak acid number	IP 177 ASTM D664	A
	Sulphur petroleum products UV	IP490	A
	Sulphur Content	IP336 # ISO 8754	A
	Total Sulphur in Light hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel and Engine Oil	ASTM D5453 by UV Fluorescence	A
	Thermal and chemical ageing of residual fuel	IP390 # ISO 10307-2	A
	Total Acid Number	IP139 # ISO 6618 ASTM D974	A
	Total Sediment in residual fuels oils	IP375/99 # ISO 10307-1 ASTM D4870	A
	Viscosity	IP71 Section 1 # ISO 3104 *ASTM D445	A
Volatility of Liquified Petroleum Gases (LPG)	ASTM D 1837	A	



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Aviation Fuel Jet A-1	Water Content - in Liquid Petroleum - of Petroleum Products - of Crude Oils	IP438 # ISO 12937 IP74 # ISO 3733*ASTM D95 IP356*ASTM D4377 # ISO 10336	A
	Colour	ASTM D 156	B
	Particulate contamination	IP 423	B
	Total acidity	IP 354	B
	Aromatics	IP156 # EN 15553 ASTM D1319	B
	Sulphur	IP336 # ISO 8754 ASTM D4294	B
	Mercaptans	IP342	B
	Doctor test	IP30	B
	Distillation	IP123 # ISO 3405 ASTM D86	B
	Flash point	IP170	B
	Density	IP365 # ISO 12185 ASTM D4052	B
	Freezing point	IP16	B
	Smoke point	IP57*ASTM D1322	B
	Naphthalenes	ASTM D1840	B
Specific energy	ASTM D3338	B	



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Aviation Fuel Jet A-1 (cont'd)	Copper corrosion	IP154 # ISO 2160 ASTM D130	B
	JFTOT	IP 323	B
	Existent gum	IP 540	B
	Water separation	D 3948	B
	Viscosity	IP71 Section 1 # ISO 3104 *ASTM D445	B
	Conductivity	IP274	B
	Fatty Acid Methyl Esters (FAME)	IP 590 by HPLC	B
Liquid Biofuels and Biodiesel	Acid Value	EN 14104	A
	Ester content and linoleic acid methyl ester content	EN 14103	A
Burner Fuels Derived From Waste Oil	Sulphated Ash	IP 550	A
GAS	<u>Chemical and Physical Tests</u>		
Liquefied petroleum gas	Copper corrosion	BS EN ISO 6251 ASTM D1838 IP411 # ISO 6251	A
END			