

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>0102</b>  <b>Accredited to ISO/IEC 17025:2017</b>	<b>ITS Testing Services (UK) Limited (Caleb Brett - Downstream)</b>	
	<b>Issue No:</b> 069 <b>Issue date:</b> 18 June 2025	
	<b>Caleb Brett House</b> <b>Unit A</b> <b>734 London Road</b> <b>West Thurrock</b> <b>Grays</b> <b>Essex</b> <b>RM20 3NL</b>	<b>Contact: Ashley Morgan</b> <b>Tel: +44 (0)7828 416107</b> <b>E-Mail: ashley.morgan@intertek.com</b> <b>Website: www.intertek.com</b>

**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
<b>Address</b> <a href="#">West Thurrock Laboratory</a> Caleb Brett House Unit A 734 London Road West Thurrock Grays Essex RM20 3NL	<b>Local contact</b> Mr Gary Ogborn Tel: +44(0)1708 680200 E-mail: gary.ogborn@intertek.com	Petroleum and Petroleum Products	A
<b>Address</b> <a href="#">Milford Haven Laboratory</a> Unit 15 Waterston Industrial Estate Main Road Waterston Milford Haven SA73 1DP	<b>Local contact</b> Miss Sheena Watson Tel: +44 (0)1646 697675 E-Mail: sheena.watson@intertek.com	Petroleum and Petroleum Products (Aviation fuel)	B
<b>Address</b> <a href="#">Ellesmere Port Laboratory</a> Lakeside Shellway Road Ellesmere Port Cheshire CH65 4LQ	<b>Local contact</b> Mr Richard Warner Tel: +44 (0)1513 552005 E-Mail: richard.warner@intertek.com	Petroleum and Petroleum Products	C



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Location details	Activity	Location code
<b>Address</b> <a href="#">Immingham Laboratory</a> West Jetty Immingham Docks Immingham NE Lincolnshire DN40 2NT	<b>Local contact</b> Mr Paul Meadows Tel: +44 (0)1469 572353 E-Mail: Paul.meadows@intertek.com	Petroleum and Petroleum Products Environmental Samples  D
<b>Address</b> <a href="#">Teesside Laboratory</a> Seal Sands Middlesbrough Cleveland TS2 1UB	<b>Local contact</b> Mr Anthony Littlefair Tel: +44 (0)1642 540035 E-Mail: anthony.littlefair@intertek.com	Petroleum and Petroleum Products Environmental Samples  E
<b>Address</b> <a href="#">South Hook Laboratory</a> South Hook LNG Terminal Company Ltd Dale Road Herbrandston Milford Haven Pembrokeshire SA73 3SU	<b>Local contact</b> Mr Adrian J Walsh Tel: +44 (0)1646 697675 E-Mail: adrian.walsh@intertek.com	Natural Gas Environmental Samples  F
<b>Address</b> <a href="#">Grangemouth Laboratory</a> Carron Dock North Grangemouth Falkirk Stirling FK3 8UD	<b>Local contact</b> Mr Murray Sergeant Tel: +44 (0)1324 472332 Mob: +44 (0)7930 243998 E-Mail: cb.grangemouth@intertek.com	Petroleum and Petroleum Products  G
<b>Address</b> <a href="#">Farnborough Laboratory</a> Fuels & Lubricants Centre Building A7, Room 1068 Cody Technology Park Farnborough Hants GU14 0LX	<b>Local contact</b> Mr Andrew Clague +44 (0)1252 397339 E-Mail: andrew.clague@intertek.com	Petroleum and Petroleum Products  H



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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
<b><u>WEST THURROCK</u></b>			
PETROLEUM AND PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	A
Aviation and distillate fuels	Conductivity	IP 274 ASTM D2624	A
Aviation turbine fuel, kerosene	Burning characteristics - 24 hour method	IP 10	A
	Cleanliness	IP 565 by portable automatic particle counter	A
	Estimation of net heat of combustion	ASTM D3338	A
	Existent gum content - jet evaporation method	IP 540	A
	Fatty acid methyl esters (FAME) content	IP 585 by GC-MS with selective ion monitoring/scan detection	A
		IP 590 (HPLC)	A
	Freezing point	IP 529 ASTM D7153 By automatic laser	A
	Freezing point - manual	ASTM D2386 IP 16	A
	Fuel System Icing Inhibitors (FSII)	ASTM D5006	A



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PETROLEUM AND PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	A
Spark ignition fuels (aviation gasoline)	Knock characteristics - supercharge method	IP 119 ASTM D909	A
Aviation turbine fuel, kerosene	Naphthalene hydrocarbons	ASTM D1840 By ultraviolet spectrophotometry	A
	Oxidation stability - potential residue method	IP 138 ASTM D873	A
	Particulate contamination - laboratory filtration method	ASTM D5452 MIL-DTL-83133	A
	Smoke point (manual method)	IP 57 ISO 3014	A
	Smoke point (auto and manual)	IP 598 ASTM D1322	A
	Thermal oxidation stability - jet fuel thermal oxidation tester (JFTOT) method	IP 323 ASTM D3241	A
	Total acidity	IP 354 ASTM D3242 By colour indicator titration	A
	Water reaction	IP 289 ASTM D1094	A
	Water separation characteristics	ASTM D3948 Using a portable separometer	A



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Crude petroleum and liquid or solid petroleum products	Density	IP 189 IP 190 EN ISO 3838 By pycnometer	A
Diesel and domestic heating fuels	Cold filter plugging point (CFPP)	IP 309 EN 116	A
Diesel fuel	Ignition quality - cetane engine method	IP 41 ASTM D613 EN ISO 5165	A
	Lubricity assessment	ISO 12156-1 IP 450 Using high frequency reciprocating rig (HFRR)	A
	Manganese	BS EN 16576 and IP623 by ICP	A
Fatty Acid Methyl Esters (FAME) and FAME/Diesel blends	Oxidation stability	IP 574, BS EN 15751 Accelerated oxidation	A
Fuel oil	Hydrogen Sulphide	IP 570 procedure A Rapid liquid phase extraction	A



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Gasoline, petrol	Benzene content	IP 429 BS EN 238 By infra red spectrometry	A
	Lead content	ASTM D3237 By atomic absorption spectroscopy (AAS)	A
	Lead content	IP 270 EN ISO 3830	A
	Manganese content	IP 588 EN 16135 ASTM D3831 by AAS	A
	Organic oxygenate compounds and total organically bound oxygen content	IP 466 EN 13132 by Gas Chromatography	A
	Oxidation stability - induction period method	IP 40 ASTM D525 EN ISO 7536	A
	Phosphorus content	ASTM D3231	A
	Hydrocarbon types specifically as specified in IP 566:  Saturates Aromatics Olefins Benzene	IP 566, EN ISO 22854 by Multi Dimensional GC (GC Reformulyzer)	A



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Gasoline, petrol (cont'd)	Oxygenates specifically as specified in IP 566:  MTBE DIPE ETBE TAME Methanol Ethanol n-propanol ISO-propanol n-butanol iso-butanol sec-butanol tert butanol 2-methly-2-butanol Total Oxygen	IP 566, EN ISO 22854 by Multi Dimensional GC (GC Reformulyzer)	A
Lubricating oils (used), base oils	Additive and selected elements, wear metals, and contaminants	ASTM D5185 by ICP-AES	A
Motor and aviation-type fuels	Knock characteristics - octane number by motor method (MON)	IP 236 ASTM D2700 EN ISO 5163	A
Motor fuels	Knock characteristics - octane number by research method (RON)	IP 237 ASTM D2699 EN ISO 5164	A
Petroleum distillates and aliphatic olefins	Bromine number - electrometric method	IP 130 ASTM D1159 ISO 3839	A



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Petroleum products	Ash content	IP 4 ASTM D482 ISO 6245	A
	Asphaltenes	IP 143 ASTM D6560	A
Petroleum products (cont'd)	Base number - Perchloric acid potentiometric titration method	ASTM D2896 By perchloric acid potentiometric titration	A
	Carbon residue - micro method	IP 398 ASTM D4530	A
	Carbon residue - Ramsbottom method	IP 14 ASTM D524 ISO 4262	A
	Cloud point	IP 219 EN 23015 ISO 3015 ASTM D2500	A
	Colour - ASTM colour scale	IP 196 ASTM D1500 ISO 2049	A
	Colour - Lovibond tintometer method	IP 17	A
	Colour - Saybolt by automatic tristimulus method	ASTM D6045	A
	Colour - Saybolt chronometer method	ASTM D156	A





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Petroleum products (cont'd)	Corrosiveness to Copper	IP 154 ASTM D130 EN ISO 2160	A
	Coumarin content	IP 374 by fluorimetric and high performance liquid chromatography (HPLC) methods	A
	Density - oscillating U-tube method	ASTM D4052 IP 365 EN ISO 12185	A
	Distillation (at atmospheric pressure)	ASTM D86 IP 123 EN ISO 3405	A
	Distillation (at reduced pressure)	ASTM D1160	A
	Doctor test	IP 30	A
	Dry vapour pressure equivalent (calculated)	IP 394 EN 13016-1	A
	Elemental Analysis: Carbon, Hydrogen and Nitrogen	ASTM D5291	A
	Filter blocking tendency	IP 387 ASTM D2068	A
	Flash and Fire points - Cleveland open cup method	IP 36 EN ISO 2592 ASTM D92	A



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Petroleum products (cont'd)	Flash point - Pensky-Martens closed cup method	IP 34 ASTM D93 EN ISO 2719	A
	Flash/no Flash and Flash point - rapid equilibrium closed cup method	IP 523 EN ISO 3679	A
	Hydrocarbon types - fluorescent indicator adsorption (FIA) method	IP 156 ASTM D1319	A
	Low lead concentration	IP 428, BS EN 237 Atomic Absorption Spectroscopy (AAS)	A
	Nitrogen	ASTM D5762 by boat-inlet chemiluminescence	A
	Pour point	IP 15 ASTM D97 ISO 3016	A
	Quinizarin content - extraction spectrophotometric method	IP 298	A
	Specific energy (calorific value)	IP 12	A
	Sulphur content	IP 336 ISO 8754 ASTM D4294 by energy-dispersive X-ray fluorescence (ED-XRF)	A



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Petroleum products (cont'd)	Sulphur content	IP 490 ISO 20846 ASTM D5453 By ultraviolet fluorescence	A
	Vapour Pressure - mini method	ASTM D5191	A
	Viscosity kinematic	IP 71, Section 1 ASTM D445 EN ISO 3104	A
	Water content	IP 438 EN ISO 12937 by coulometric Karl Fischer titration	A
	Weak and strong acid number	IP 177 ASTM D664 By potentiometric titration	A
Petroleum products - distillate fuels	Free Water and particulate contamination	ASTM D4176 By visual inspection	A
Petroleum products - light and middle distillates	Gum content - jet evaporation method	IP 131 EN ISO 6246 ASTM D381	A
	Hydroperoxide number	ASTM D3703	A
	Thiol (mercaptan) sulphur content - potentiometric method	IP 342 ASTM D3227 ISO 3012	A



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Petroleum products - middle distillate fuels	Ignition delay and derived cetane number	IP 498 EN 15195 ASTM D6890 By combustion in a constant volume chamber	A
	Oxidation stability - accelerated method	IP 388 ASTM D2274 EN ISO 12205	A
	Particulate content - laboratory filtration method	IP 415	A
Petroleum products - middle distillates	Aromatic hydrocarbons - high performance liquid chromatography (HPLC) method with refractive index detection method	IP 391 EN 12916 By HPLC with refractive index detection	A
	Cetane index - calculation by the four-variable equation	IP 380 ISO 4264 ASTM D4737	A
	Fatty acid methyl ester (FAME) content	IP579 EN 14078 By infrared spectrometry	A
Petroleum products- middle distillates, diesel fuels and FAME	Total contamination	IP 440 EN 12662 By vacuum and weighing	A
Petroleum products and bituminous materials	Water content	IP 74 ASTM D95 ISO 3733 By Dean and Stark	A



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Petroleum products and hydrocarbon solvents	Aniline point	IP 2 ASTM D611 ISO 2977	A
Petroleum products and lubricants	Acid or base number	IP 139 ASTM D974 ISO 6618 Colour indicator titration	A
Petroleum products and other liquids	Flash point - Abel closed cup method	IP 170 EN ISO 13736	A
Residual fuel oil	Aluminium, silicon, vanadium, nickel, iron, sodium, calcium, zinc and phosphorous	IP 501 By ashing, fusion and ICP-ES	A
	Total sediment content - hot filtration method	IP 375 ASTM D4870 ISO 10307-1	A
	Total sediment content - thermal ageing, chemical ageing	IP 390 ASTM D4870 ISO 10307-2	A
	Determination of needle penetration	IP49 / EN1426	A
	Determination of softening point – ring and ball method	IP58 / EN1427	A



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Liquid fuels derived from synthesised blending components (SBC)	Biobased Content	ASTM D6866 – Method C By Liquid scintillation counter	A
Liquid fuels containing synthesised blending components (SBC)	Biobased Content	ASTM D6866 – Method C By Liquid scintillation counter	A
Liquid fuels derived from hydrotreated vegetable oil (HVO)	Biobased Content	ASTM D6866 – Method C By Liquid scintillation counter	A
Liquid fuels derived from used cooking oil (UCO)	Biobased Content	ASTM D6866 – Method C By Liquid scintillation counter	A



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<b><u>MILFORD HAVEN</u></b>			
PETROLEUM AND PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	B
Aviation Turbine Fuel	Total acidity	IP 354, ASTM D3242	B
	Corrosiveness to copper	IP 154, ASTM D130	B
	Colour – Saybolt	ASTM D156	B
	Density and relative density	ASTM D4052, IP 365	B
	Distillation characteristics at atmospheric pressure	IP 123, ASTM D86	B
	Doctor test	IP 30, ASTM D4952	B
	Existent gum - gum extent of aviation turbine fuel	IP 540	B
	Flash point by Abel closed cup	IP 170	B
	Freezing point of aviation fuels	IP 16, ASTM D2386 (manual) IP 529, ASTM D7153 (automatic)	B
	Hydrocarbon types by FIA	IP 156, ASTM D1319	B



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Aviation Turbine Fuel (cont'd)	Mercaptan sulphur	IP 342, ASTM D3227	B
	Smoke point – manual only	ASTMD1322, IP 598	B
	Viscosity kinematic	IP 71 Section 1, ASTM D445	B
	Water separation characteristics of aviation fuels (MSEP)	ASTM D7224	B





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<b><u>ELLESMERE PORT</u></b>			
PETROLEUM PRODUCTS, LUBE OILS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	C
	Colour	ASTM D1500	C
	Density	IP 365	C
	Distillation (automatic only)	ASTM D86	C
	Flash Point (COC)	IP 36	C
	Heat of combustion (gross and net)	IP 12 ASTM D240	C
	Pour Point	IP 15 ASTM D97	C
	Refractive Index	ASTM D1218	C
	RVP (minivap)	ASTM D5191	C
	Sulphur Content	IP 336	C
	Viscosity	IP 71 ASTM D445	C
	Water Content	IP 438	C
	Lube oils	Apparent viscosity (Cold Cranking Simulator)	C
	Evaporative Loss (Noack)	ASTM D5800	C
Solvents	Distillation (automatic only)	ASTM D1078	C



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<b><u>IMMINGHAM</u></b>			
BIO DIESEL, PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	D
	Density	IP 365 EN ISO 12185 ASTM D4052	D
	Viscosity	IP 71 ASTM D445 EN ISO 3104	D
	Sulphur Content	IP 490 EN ISO 20846	D
	Iodine Number	EN ISO 14111	D
	Acid Value	EN ISO 14104	D
	Water Content	IP 438 EN ISO 12937	D
Hydrocarbon Solvents	Appearance	In-house method IMM-LAB-SWI-146 based on client method EC-A_A01	D
	Aromatics content	In-house method IMM-LAB-SWI-144 based on client method UV 1 by UV/Vis	D
	Colour - Platinum cobalt Saybolt	ASTM D1209 ASTM D6045	D



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BIODIESEL, PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	D
	Distillation at atmospheric pressure	ASTM D86	D
	Distillation range of volatile organic liquids	ASTM D1078	D
	Flash point	ASTM D93 ASTM D56	D
	Refractive index	ASTM D1218	D
	Solvent composition	In-house method IMM-LAB-SWI-126 based on client method GC 3 by GC-FID	D
	Water content of volatile solvents	ASTM D1364	D
TRADE EFFLUENT (to controlled water)	<u>Chemical and Physical Tests</u>		D
	pH	In-house method IMM-LAB-SWI-100 based on APHA 4500-H+	D
	Suspended solids	In-house method IMM-LAB-SWI-101 based on BS EN 872	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<b><u>TEESSIDE</u></b>			
PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	E
	Cold Filter Plugging Point	IP 309 BS EN 116	E
	Colour Pt-Co (Hazen)	ASTM D5386	E
	Density	ASTM D4052 IP 365 EN ISO 12185	E
	Distillation	ASTM D86 IP 123 EN ISO 3405	E
	Ester Content	EN ISO 14103:2011	E
	Flash Point	ASTM D93 IP 34 EN ISO 2719 Pensky Martens Closed Cup	E
	Lubricity	IP 450 ISO 12156-1:2006	E
	Motor Octane Number (MON)	ASTM D2700 IP 236 EN ISO 5163	E
	Oxidation Stability	BS EN 14112	E



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	E
Petroleum Distillates	Paraffin, naphthene and aromatic hydrocarbon types (PNA)	ASTM 5443	E
	Research Octane Number (RON)	ASTM D2699 IP 237 EN ISO 5164	E
	Sulphur	ASTM D5453 IP 490 EN ISO 20846	E
	Vapour Pressure	ASTM D5191 IP 394 EN 13016	E
	Viscosity	ASTM D445 IP 71 ISO 3104	E
Petroleum Products	Water Content	IP 438 EN ISO 12937	E
Volatile Solvents	Water Content	ASTM D1364	E
Petroleum and Petroleum Products	Water Content	ASTM E203	E
Organic Liquids	Water Content	ASTM E1064	E
FATTY ACID METHYL ESTERS	<u>Chemical Testing</u>		E
	Sodium	BS EN 14108	E
	Potassium	BS EN 14109	E



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ENVIRONMENTAL SAMPLES	<u>Chemical Testing</u>		E
Surface water	Chemical Oxygen Demand	BS ISO 15705	E
	Suspended Solids	BS EN 872	E
	Biochemical Oxygen Demand	In-house method TEE-LAB-SOP-12 based on BS EN 1899	E



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<b><u>SOUTH HOOK</u></b>			
NATURAL GAS	<u>Chemical and Physical Tests</u>	In house methods in the series SHT-LAB-SOP-xx and SHT-LAB-TP-xx	F
	Composition	GPA 2261:2020 by GC	F
	Incomplete combustion factor and soot index	Calculation from statutory instrument 1996 number 551 gas safety regulations	F
	Moisture dew point	ASTM D5454: 11e1 SHT-LAB-SOP-06	F
	Molecular weight, vapour density, relative vapour density, gross heating value, net heating value, Wobbe Index	ISO 6976:2016 and ISO 6976:2005 (superseded) by calculation	F
	Determination of oxygen present	SHT-LAB-TP-02 by oxygen meter	F
	Determination and speciation of sulphur compounds	ISO 19739:04/Cor 1:2009 by GC	F
NATURAL GAS	<u>Sampling</u>		F
	Spot and composite sampling of Natural Gas during vessel discharges at South Hook LNG Terminal	SHT-LAB-SOP-15	F
TRADE EFFLUENT TO CONTROLLED WATERS	<u>Sampling</u>		F
	Sampling	SHT-LAB-SOP-07	F



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TRADE EFFLUENT TO CONTROLLED WATERS (cont'd)	<u>Chemical and Physical Tests</u>	In house methods in the series SHT-LAB-SOP-xx and SHT-LAB-TP-xx	F
	Free chlorine	SHT-LAB-TP-01 by Hach Test Kit	F
	Nitrates	APHA 4500-NO <sub>3</sub> -B by UV (2019)	F
	pH	BS EN ISO 10523: 2012	F
	Total suspended solids	BS 6068-2.54:05	F
	Turbidity	BS EN ISO 7027-1:2016	F





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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<b><u>GRANGEMOUTH</u></b>			
PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	G
Crude Oil	Density	IP 365	G
Crude Oil	Water Content	IP 386	G



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<b><u>FARNBOROUGH</u></b>			
PETROLEUM and PETROLEUM PRODUCTS	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	H
	Total acid number of oils	SAE ARP 5088	H
	Total acid number of used oils	In-House Documented Procedure FLM 196 using Methrolm 778/794/836/815 (based on SAE ARP 5088)	H
	Total base number of used oils	In-House Documented Procedure FLM 221	H
	Diesel Fuel Diluent in used engine oils	In-House Documented Procedure FRN-LAB-SOP-04 by Gas Chromatography	H
	Water content of used oils	In-House Documented Procedure FLM 198 using Metrohm 774 Karl Fischer (based on ASTM D6304)	H
	Specific gravity of used oils	In-House Documented Procedure FLM 199 using DA500 (based on IP 365)	H
	HIAC particle counting in fluids and lubricants	In-House Documented Procedure FLM 207 using automatic particle counting equipment	H



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PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Chemical and Physical Tests (cont'd)</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	H
	Kinematic viscosity of used oils	In-House Documented Procedure FLM 200 using Automatic Houillon Viscometer (based on ASTM D7279)	H
	Appearance	In-House Documented Procedure FLM 212	H
	Debris analysis	In-House Documented Procedures 114 and 174 using Millipore Filtration, Scanning Electron Microscopy with X-Ray Analysis	H
	Elemental analysis of used oils including: Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, V, W, Zn	In-House Documented Procedure FRN-LAB-SOP-15 using Inductively Coupled Plasma (based on ASTM D5185)	H
	Analysis of used oils for: Chlorine Sulphur	In-House Documented Procedures 183 using EDXRF (based on IP 336)	H
	Kinematic Viscosity at 40C, 100C and 100F (37.78C)	ASTM D445 and IP71	H
	Determination of oxidation of used motor oils	DIN 51453	H



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PETROLEUM and PETROLEUM PRODUCTS (cont'd)	<u>Performance tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	H
	Load carrying capacity test for transmission lubricants (FZG Rig)	CEC-L-07-95	H
	Viscosity shear stability of transmission lubricants (taper roller bearing rig)	CEC-L-45-99	H
	Evaluation of the mechanical shear stability of lubrication oils containing polymers	CEC-L-14-93	H
	Oxidation test for engine oils operating in the presence of biodiesel	CEC-L-109-14	H
AVIATION LUBRICANTS	<u>Physical Tests</u>		H
	Evaluation of coking propensity	SAE ARP 5996 using the Hot Liquid Process Simulator (HLPS) Single Phase Flow Technique	H
FUELS	<u>Chemical and Physical Tests</u>		
	Density at 15 °C	IP 365	H
	Aviation Fuel Thermal Oxidation Stability Test	IP 323	H
BURNER FUELS DERIVED FROM WASTE MINERAL OIL	Metals: lead, nickel, chromium, copper, zinc, arsenic, cadmium, thallium, antimony, cobalt, manganese and vanadium	IP 592 by ICPMS	H



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OILS AND GREASES	<u>Chemical and Physical Tests</u>	Flexible scope enabling new versions of existing accredited standard test methods to be introduced in accordance with documented Intertek corporate procedure COR-PR-14 (Management of Change)	H
	Determination of ferromagnetic debris in fluids, lubricants and greases	FLM 31 using pqA	H
	Extreme Pressure Properties of Lubricating Greases	ASTM D2596 by Four Ball Tester	H
	Extreme Pressure and Anti-wear Properties of Lubricating Fluids and Greases (friction measurement not measured)	IP 239 by Four Ball Tester	H
DRINKING WATER (non regulatory)	<u>Chemical Tests</u>  Metals: Aluminium Antimony Arsenic Boron Cadmium Chromium Iron Lead Manganese Mercury Nickel Selenium	Documented In-House Method MT-ELE-23 by ICP-MS (Part of BS 6920: Part 2 Metals analysis)	H
END			