

Tests marked * are ISO17025 accredited

TEST NAME	METHOD
Density — Oscillating U-tube method *	IP 365
Electrical conductivity of aviation and distillate fuels	IP 274
Corrosiveness to copper - Copper strip test	IP 154
Sulphur in petroleum and petroleum products by energy dispersive x-ray fluorescence (EDXRF) spectrometry	ASTM D4294
Sulphur content - Energy-dispersive x-ray fluorescence (EDXRF) spectrometry *	IP 336
Filter blocking tendency	IP 387
Distillation characteristics at atmospheric pressure	IP 123
Transparent and opaque liquids - Kinematic viscosity and calculation of dynamic viscosity	IP 71
Flash point - Abel closed-cup method	IP 170
Flash Point - Pensky Martens closed cup method	IP 34
Sulphur content of automotive fuels — Ultraviolet fluorescence method (3 - 500ppm)	IP 490
Free water and particulate contamination in distillate fuels and Haze rating (Visual inspection procedures)	ASTM D4176
Smoke point of kerosene, manual and automated method	IP 598
Smoke point of kerosene	IP 57
Kerosene burning characteristics - 24 hour method	IP 10
Coumarin in kerosene by high performance liquid chromatography (HPLC)	IP 374 method B
Diesel and domestic heating fuels - Determination of cold filter plugging point (CFPP)	IP 309
Cloud point of petroleum products - Automatic stepped cooling method	IP 444
Petroleum products - Determination of cloud point (manual method)	IP 219
Petroleum products - Determination of pour point	IP 15
Fatty acid methyl ester (FAME) content in middle distillates - Infrared (IR) spectrometry method	IP 579
Contamination in middle distillates	IP 440
Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR)	IP 450

DIESEL & MIDDLE DISTILLATES TESTS

Tests marked * are ISO17025 accredited

TEST NAME	METHOD
Derived cetane number (DCN) of diesel fuel oils - Ignition delay and combustion delay using a constant volume combustion chamber method (CID)	ASTM D7668
Calculation of cetane index of middle-distillate fuels by the four-variable equation	IP380
Oxidation stability of middle-distillate fuels	IP 388
Acid or base number - Colour-indicator titration method	IP 139
Weak and strong acid number - Potentiometric titration method	IP 177
Petroleum products - Determination of water - Coulometric Karl Fischer titration method	IP 438
Aromatic hydrocarbon types in middle distillates - HPLC method with refractive index detection (suitable for streams which contain FAME)	IP 391
Aromatic hydrocarbon types in middle distillates - HPLC method with refractive index detection (not suitable for streams which contain FAME)	IP 548
Total sediment in residual fuel oils - Part 1: Determination by hot filtration	IP 375
Total sediment in residual fuel oils - Part 2: Determination using standard procedures for ageing	IP 390 (A)
Marker Content in Gas Oil by Lovibond Comparator	HMCE Warehouse Test
Determination of ash *	IP 4
Carbon residue - Micro method (MCRT)	IP 398
Hydrogen sulphide in fuel oils - Rapid liquid phase extraction method	IP 570
Microbiological analysis in fuels, lubricant and water samples	IP 613