

HD Scientific
ASTM-Product Reference 2004

ASTM	IP	Test Description
		<i>Please contact us for details of equipment for specific tests.</i>
D5	IP49	Penetration by penetrometer
D6		Asphalt test
D36	IP58	Softening point
D56		Tag closed cup flash
D86	IP123	Distillation (Petroleum Products)
D87		Wax melting point apparatus
D88		Saybolt viscosity test
D91	IP219	Oil test by centrifugal method. (See also Hettich Rotanta)
D92	IP36	Cleveland open cup Flash
D93	IP34	Pensky Martens flash closed cup
D95		Dean and stark moisture
D96		Oil test by centrifugal method. (See also Hettich Rotanta)
D97	IP15	Cloud and Pour
D113	IP32	Ductility test
D128		Determination of Ash
D129		Sulphur & Chlorine in Petroleum products (bomb method)
D130	IP154	Copper corrosion strip method
D139		Float test apparatus
D156		Saybolt color
D189	IP13	Conradson carbon test
D216		Distillation of petroleum
D217	IP50	Penetrometer test for lubricating grease
D233		Distillation of petroleum
D240		Calorimetry testing assembly for heat combustion
D244		Residue and oil distillate apparatus/Sabolt visc bath
D285		Distillation automated
D287		API Gravity
D322		Gasoline diluent in used Gasoline engine oils
D323	IP69	Reid Vapor pressure (Dry)
D370		Dean and stark moisture with metal still
D381	IP131	Existent gum test with steam generator (ref. Simons Boilers)
D445	IP71	Viscosity (Kinematic)
D447		Distillation
D471		Rubber Property. Effects of Liquid
D473		Sediment extraction
D482		Determination of ash
D483		Unsulfinated residue test
D524	IP14	Ramsbottom carbon residue
D525	IP40	Oxidation stability of gasoline and Aviation fuels
D566	IP132	Dropping point of grease
D611		Aniline point
D665	IP135	Rust prevention characteristics
D721		Oil by solvent extraction
D808		Sulphur & Chlorine in Petroleum products (bomb method)
D850	IP191	Distillation (Aromatic Hydrocarbons)
D873	IP138	Oxidation stability of gasoline and Aviation fuels
D874	IP295	Determination of Ash
D877	IP295	Portable megger for dielectric breakdown of insulating liquids
D892	IP146	Foaming characteristics of lubricating oils

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D893		Oil test by centrifugal method. (See also Hettich Rotanta)
D937		Penetrometer for Vaseline and paraffin's
D943	IP157	Oxidation characteristics of inhibited mineral oils
D971		Tensiometry and surface tension measurement
D972	IP183	Determination of evaporated loss
D974		Determination of TAN/TBN, acid number. (titration method)
D1078	IP196	Distillation (Volatile Organic Liquids)
D1092		Pressure viscosity test
D1142		Water Vapour Content of Gaseous Fuels (dew point method)
D1160		Distillation of petroleum products (reduced pressure method)
D1177		Freezing point of antifreeze
D1209		Colorimeter test (Automatic)
D1263		Leakage tendency tester
D1264		Determination of water washout of lubricating grease
D1265		Sampling method of liquefied petroleum
D1267		Reid vapor tester
D1290		Centrifugation of oil samples (heated)
D1298		Specific Gravity
D1310		Tag open cup tester
D1319		Fluorescent indicator test apparatus
D1321		Penetrometer for wax
D1322		Smoke point lamp test
D1331		Tensiometry and surface tension measurement
D1384		Corrosion tests for engine coolant in glassware
D1401		Water seprability of petroleum oils and synthetic fluids
D1403		Penetrometer for lubricating greases
D1404		Deleterious particles determination
D1417		Tensiometry and surface tension measurement
D1465		Blocking and picking point test
D1478		Torsion testing humidity cabinet
D1500	IP196	ASTM color
D1524		Oil comparator
D1544		Automatic colorimeter
D1559		Marshall compression tester
D1590		Tensiometry and surface tension measurement
D1657		Density or relative density of light hydrocarbons
D1662		Sulphur & Chlorine in Petroleum products (bomb method)
D1665		Engler viscometer
D1742		Oil separation test
D1744		Determination of TAN/TBN, acid number. (titration method)
D1743		Corrosion preventative properties test
D1748		Humidity test
D1754		Asphalt oven
D1796		Oil test by centrifugal method. (See also Hettich Rotanta)
D1816	IP295	Semi Automatic High voltage tester Insulating oils
D1831		Determination of roll stability of lubricating grease
D1837		Precooling apparatus
D1838		LPG Copper corrosion test
D1881		Foaming Tendency of Coolants
D1966		Oil test by centrifugal method. (See also Hettich Rotanta)

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D2158		Precooling apparatus
D2068	IP387	Filter Blocking Tendency
D2112	IP299	Oxidation stability of steam turbine oils (RBOT)&TFOUT
D2158	IP397	Residue in liquefied petroleum gases
D2170		Viscosity test bath
D2171		Asphalt oven
D2265		High temperature dropping test
D2266		Four ball tester
D2068		Filter Blocking point
D2170		Viscosity
D2272		Oxidation stability of steam turbine oils (RBOT)&TFOUT
D2273		Oil test by centrifugal method. (See also Hettich Rotanta)
D2274	IP388	Oxidation characteristics of distillate fuel
D2382		Calorimetry testing assembly for heat combustion
D2384		Wickbold combustion tester (Refer to Antek)
D2386	IP16	Freezing point (Aviation Fuels)
D2398	IP198	Softening point
D2420		Hydrogen sulphide in liquefied petroleum of (LP) Gases
D2440		High temperature convertible oxidation
D2500	IP219	Cloud point
D2532		Low temperature viscosity
D2547		Dual extraction test
D2595		Asphalt oven
D2596		Four ball tester
D2602		Cold crank Simulator
D2619		Hydrolytic stability of hydraulic fluids (Beverage bottle)
D2624	IP274	Electrical conductivity of aviation and distillate fuels
D2700		Octane analysis (portable)
D2709		Oil test by centrifugal method. (See also Hettich Rotanta)
D2711		Oil test by centrifugal method. (See also Hettich Rotanta)
D2747		Wickbold combustion tester (Refer to Antek)
D2783		Four ball tester
D2784		Wickbold combustion tester (Refer to Antek)
D2785		Wickbold combustion tester (Refer to Antek)
D2793		Four ball tester
D2872		Rolling thin film oven test
D2878		Evaporation loss tester
D2884		Penetrometer testing
D2893		High temperature convertible oxidation bath
D2983		Viscosity by Brookfield test
D3117		Wax appearance point test
D3143		Tag open cup flash tester
D3230		Salt in crude
D3235		Oil solvent extractable
D3241		Jet fuel thermal oxidation tester
D3242		Determination of TAN/TBN, acid number. (titration method)
D3278		Rapid closed cup flash tester
D3286		Calorimetry testing assembly for heat combustion
D3427		Air release value
D3527		High temperature wheel bearing grease tester

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D3603		Rust prevention characteristics in oil bath
D3734	IP303	Flash tester mini sample (Quick test)
D3799		Freezing point apparatus
D3828	IP303	Rapid closed cup flash tester
D3829		Yield stress and apparent viscosity of engine oils at low Temp.
D3948		Microseparometer (portable)
D4007		Oil test by centrifugal method. (See also Hettich Rotanta)
D4048		Copper strip tarnish test
D4049		Water spray test
D4053		Fuel analysis of Benzene by mid infra red.
D4057		Sampling bottles for representative sampling of liquid products
D4172		Four ball tester
D4206		Rapid closed cup tester
D4290		High temperature wheel bearing grease tester
D4310		Oxidation stability tester
D4340		Corrosion of aluminum alloys in engine coolants
D4377		Determination of TAN/TBN, acid number. (titration method)
D4485		API 'SL' engine oil category TEOST, MHT
D4530/D189		Carbon residue testing
D4539		Low temperature filtration
D4629		Low level nitrogen (Pyro-chemiluminescence)
D4636		Corrosiveness and oxidator test
D4683		Tapered Baring Simulator
D4684		Mini rotary viscometer bath
D4693		Low temperature torque test
D4739		Determination of TAN/TBN, acid number. (titration method)
D4742		Oxidation stability of steam turbine oils (RBOT)&TFOUT
D4809		Calorimetry testing assembly for heat combustion
D4928 Draft 5.2		Coulometric Karl Fischer test (Moisture)
D4950		Penetrometer testing
D4953		Reid Vapor
D5001		Lubricity test
D5133		Scanning Brookfield viscometer
D5176		Low level nitrogen (Pyro-chemiluminescence)
D5183		Four ball tester
D5191	IP394	Vapor pressure (Mini Method)
D5293		Cold crank simulator
D5304		Pressure test
D5386		Colorimeter test
D5453		Low level sulfur (Pyro-fluorescence)
D5482		Vapor pressure (Mini method atmospheric)
D5704		L-60-1 Performance test apparatus
D5762		Low level nitrogen (Pyro-chemiluminescence)
D5800		Evaporation loss of Lubricants
D5845		Oxygenates
D5853		Pour point of crude
D5968		Corrosiveness and oxidator test
D6045		Colorimeter measurement (Saybolt & ASTM color)
D6069		Low level nitrogen (Pyro-chemiluminescence)
D6074		Viscosity bath

