Shell
GTL Fuel

Product information: Shell GTL Fuel

Alternative fuel for diesel engines to reduce local emissions.

Description

Shell GTL Fuel is an alternative fuel for use in diesel engines, which can lower local emissions (e.g. particulate matter, NOx, hydrocarbons and carbon monoxide).

Shell GTL Fuel is virtually free of aromatics, poly-cyclic aromatics, olefins, sulphur, nitrogen and metals. The fuel is colorless and almost odorless and has a higher cetane number than conventional diesel. Shell GTL Fuel predominantly contains straight chain normal paraffins and branched iso-paraffins.

Shell GTL Fuel meets all the specifications in the ASTM D975 diesel standard, the Japanese JIS K 2204 diesel standard, the EU's Fuels Quality Directive 98/70/EC and the ISO 8217 marine fuel standard. It also meets all requirements of EN 590 diesel except density.

Specification

Shell GTL Fuel meets the specifications outlined in EN 15940 "Class A "Automotive fuels – Paraffinic diesel from synthesis or hydrotreatment – Requirements and test methods". A table of the key properties of the EN 15940 Class A.
Shell GTL Fuel contains at least 1 percent sustainable bio-component according to the *law on sustainable biofuels and reduction of greenhouse gasses from transport.*

Temperature properties:

Period	All year
Cold Filter Plugging Point (CFPP) max. °C	-19
Cloud Point max. °C	-16

Health, Safety and Environment

Please refer to the Material Safety Data Shell for Shell GTL Fuel. This manual contains important information about health and safety hazards, 1st aid, precautions in case of spills and fire as well as the transport classification.

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Typical analytical data

EN15940 Class A /Shell GTL Fuel

Property	Unit	Minimum	Maximum	Test method
Cetane number		70,0		EN ISO 5165 EN 15195
Density at 15 °C	kg/m^3	765,0	800,0	EN ISO 3675 EN ISO 12185
Total aromatics content	% (m/m)		1,0	EN 12916 UOP 495 SIS 155116
Sulfur content	mg/kg		5,0	EN ISO 20846 EN ISO 20884
Flash point	°C	>60		EN ISO 2719
Carbon residue (on 10 % distillation residue)	% (m/m)		0,30	EN ISO 10370
Ash content	% (m/m)		0,01	EN ISO 6245
Water content	mg/kg		150	EN ISO 12937
Total contamination	mg/kg		24	EN 12662
Copper strip corrosion (3 h at 50 °C)		Class 1		EN ISO 2160
Oxidation stability	g/m^3		25	EN ISO 12205
Oxidation stability	timer	20		EN 15751
Lubricity, corrected wear scar diameter (wsd 1,4) at 60 °C	µm		460	EN ISO 12156-1
Viscosity at 40 °C	mm^2/s	2,00	4,50	EN ISO 3104
Distillation 95 % (V/V) recovered at	°C		360	EN ISO 3405
Distillation % (V/V) recovered at 250 °C (a)	% (v/v)		<65	EN ISO 3405
Distillation % (V/V) recovered at 350 °C (a)	% (v/v)	85		EN ISO 3405