

Technical Information

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STIHL Engine Oil for Gas-Oil Lubricated Engines

STIHL High Performance Ultra

Type

STIHL HP Ultra is a completely synthetic high-performance engine oil for use in air-cooled two-stroke and STIHL 4-MIX[®] engines in all climate zones.

Mix ratio

50:1 (1 US gal. gasoline to 2.6 US fl.oz. engine oil).

Properties

STIHL HP Ultra combines excellent lubricating properties with reduced carbonization. This distinguishes STIHL HP Ultra from many other engine oils.

Benefits of STIHL HP Ultra:

- Excellent lubricating properties and high wear resistance.
- Suitable for engines with catalytic converter.
- Significantly reduced tendency to coke up the combustion chamber and exhaust system, which ensures consistently high engine power.
- Very good self-mixing properties.

- Intensive green color enables presence in fuel mix to be checked.
- Classification: API TC

Applications

Engine oil approved exclusively by STIHL for engines with gasoline-oil lubricating systems – with or without catalytic converter.

STIHL HP Ultra is formulated for use in air-cooled high-performance engines with gasoline-oil lubricating systems. Such engines require a high efficiency lubricant and are often operated for long periods at full throttle.

Mixing with Other Oils

STIHL HP Ultra may be used in air cooled mix lubricated engines that have previously used other types and brands of two-stroke engine oils.

Disposal

If necessary, the old or adulterated engine oil can be added to other waste oil from four-stroke engines.

Specifications

	Unit	Typical data	Test method
Color		green	
Density at 15 °C	g/cm ³	0.935	DIN 51757 T4
Pour point	°C	< - 57	ISO 3016
Flame point	°C	> 216	ISO 2592
Kinematic viscosity at 40 °C	mm ² /s	49.0	DIN 51562
Kinematic viscosity at 100 °C	mm ² /s	8.45	DIN 51562
Viscosity index		147	ISO 2909

Important Information on Preparing and Storing Fuel Mix

- Use a mid-grade gasoline with a minimum octane rating of 89 (R+M/2).
- Do not store fuel mix for long periods. The mixture may separate, especially if fuels with a high alcohol content are used. This applies particularly at low temperatures and if condensation gets into the mixture – the fuel itself then segregates (alcohol separates from the gasoline). This process cannot be reversed even if the temperature rises again. The use of such a segregated fuel mix results in engine running problems and may cause engine damage.
- Storage life of fuel mix: approximately 3 months.
- Fuel mix that has been stored for a long period should be shaken or agitated vigorously before use.

Packaging

STIHL HP Ultra is available as follows:

Size of Pack	Part #
2.6 US fl.oz bottle, 48/Case	0781 313 8004
5.2 US fl.oz bottle, 48/Case	0781 313 8007
6.4 US fl.oz bottle, 48/Case	0781 313 8010
12.8 US fl.oz bottle 24/Case	0781 313 8013
1 US gal. bottle, 6/Case	0781 313 8015
5 US gal. pail	0781 313 8016
55 US gal. drum	0781 313 8017