SP series gasoline engine oil

Performance Overview

Maxtop gasoline engine oil SP series uses high-quality high-pressure hydrogenated Class II, Class III, Class III plus, Class IV, and Class V base oils, adds high-quality functional additives, and is refined through the most optimized formulation process and strict evaluation and testing technology. SP gasoline engine oils of various viscosity grades can be produced according to customer needs.

Features

01

Protect high-performance engines and enhance engine power.

02

Prolong engine service life and achieve better wear reduction and anti-wear effects.

03

Greatly reduce metal surface wear.

04

Neutralizes the corrosive acidic substances produced by combustion and maintains the high cleanliness of the engine.

05

Improve fuel economy and reduce the frequency of oil replenishment and oil change.

06

Smooth starting in cold weather and faster full lubrication of cold engine.

Application Scenario

(1)Suitable for lubrication of gasoline engines requiring SP grade and below.
(2)Suitable for lubrication of gasoline engines with aftertreatment devices.

No. 138, Guanshan Road, Shuangliu District, Chengdu, China (Sichuan) Pilot Free Trade Zone
TEL: +8613541155698 EMAIL: maxtop@maxtop-oil.com
TEL: +864008330667 Website: www.maxtop-oil.com

SP/0W series gasoline engine oil performance indicators

Project		Quality indicators			
Model		0W16	0W20	0W30	0W40
Kinematic viscosity (100 ℃), mm2 / s		6.1~<8.2	5.6~<9.3	9.3~<12.5	12.5~<16.3
Low temperature dynamic viscosity/(mPa.s)	not more than	6200 （-35）	6200 （-35）	6200 （-35）	6200 （-35）
High temperature and high shear viscosity (150℃, 10 6 s -1)/(mPa.s)	not less than	2.3	2.6	2.9	3.5
Low temperature pumping temperature/(mPa•S) When there is no yield stress,	No more than	60000 (-40)	60000 (-40)	60000 (-40)	60000 (-40)
Flash point (open), ℃	No less than	200	200	200	200
Pour point, ℃	No higher than	-40			
Sulfated ash (mass fraction) /%		Report			
Alkalinity (in KOH) /mg/g		Report			
Evaporation loss (mass fraction) /%	not more than	15			
Viscosity Index	Measured	Report			
Foaming properties (foam tendency / foam stability), mL/mL					
24 ℃	No more than	10/0			
93.5 ℃	No more than	50/0			
After 24 ℃	No more than	10/0			
150℃	not more than	100/0			
Water (volume fraction), %	No more than	trace			
Mechanical impurities (mass fraction), %	No more than	0.01			
Copper corrosion, grade	No more than	3			

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SP/5W series gasoline engine oil performance indicators

Project		Quality indicators	
Model		5W30	5W40
Kinematic viscosity (100 ℃), mm2 / s		9.3~<12.5	12.5~<16.3
Low temperature dynamic viscosity/(mPa.s)	not more than	6600（-30）	6600（-30）
High temperature and high shear viscosity (150℃, 10 6 s -1)/(mPa.s)	not less than	2.9	3.5
Low temperature pumping temperature/(mPa•S) When there is no yield stress,	No more than	60000 (-35)	60000 (-35)
Flash point (open), ℃	No less than	200	200
Pour point, ℃	No higher than	-35	
Sulfated ash (mass fraction) /%		Report	
Alkalinity (in KOH) /mg/g		Report	
Evaporation loss (mass fraction) /%	not more than	15	
Viscosity Index	Measured	Report	
Foaming properties (foam tendency / foam stability), mL/mL			
24 ℃	No more than	10/0	
93.5 ℃	No more than	50/0	
After 24 ℃	No more than	10/0	
150℃	not more than	100/0	
Water (volume fraction), %	No more than	trace	
Mechanical impurities (mass fraction), %	No more than	0.01	
Copper corrosion, grade	No more than	3	

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