



Tanikawa Chemical Laboratory
TCL[®]

ZERO LINE
FULLY SYNTHETIC

Made
in
JAPAN

SP GF-6 OW-20

High-performance engine oil with excellent low-temperature startability and fuel-saving

[Product outline]

The excellent low-temperature fluidity enables smooth engine start even at temperature -45°C, and protects engine from "Dry start". And suppresses "Friction Loss" and contributes to fuel economy from immediately after engine starts. This oil is equipped with cleaning and dispersing performance, endurance, heat resistance, anti-friction performance which meet the requirements of current highest API standard "SP". It is suitable for cars which are recommended to use low viscosity oil, and hybrid cars.

[Product features]

- Fine fluidity at low temperature (low pour point) enables smooth engine start even in cold winter, and it protects engine.
- By excellent cleaning and dispersing performance, contaminants such as sludge and moisture due to dew condensation which are tend to occur at cold temperature are taken into the oil, and prevents their attaching to metal inside engine.
- Provides strong oil-film performance even at high temperature, and by antioxidant performance prevents the rise of viscosity. It suppresses friction loss and contributes to fuel saving and comfortable driving.
- Suppresses LSPI (Low Speed Pre-Ignition) and Timing Chain Wear, and improves piston cleanliness and fuel economy.
- Complying with the requirements of "API SP Resource Conserving" and "ILSAC GF-6" ("Starburst" Certification Mark). Suitable for Gasoline engine cars which are designated to use OW-20 oil.

[Specifications]

Usage	Engine Oil for 4-Cycle Gasoline Engine
Product Line	ZERO LINE
Product Name	TCL ZERO LINE Engine Oil OW-20
Standard	API SP / ILSAC GF-6
Base Oil	Fully Synthetic
Viscosity	OW-20

[Representative physical properties]

Density (15°C)	g/cm ³	0.8448
Color (ASTM)		L3.0
Flash point (COC)	°C	228
Pour point	°C	-45.0
Viscosity (-35°C)	mPa·s	5,750
Kinetic viscosity (40°C)	mm ² /s	42.86
Kinetic viscosity (100°C)	mm ² /s	8.242
Viscosity index		171
Base number (PCA)	mgKOH/g	5.94
Foaming test (SeqII)	ml	0/0

Item Code	Packing
Z0010020SP	1L x 20 pcs
Z0040020SP	4L x 6 pcs
Z0200020SP	20L x 1 pc