



Tanikawa Chemical Laboratory
TCL[®]

ZERO LINE
FULLY SYNTHETIC

Made
in
JAPAN

SP GF-6 OW-16

HYBRID

High-performance engine oil with the lowest viscosity and excellent fuel economy

[Product outline]

Low viscosity oil for the latest hybrid cars and eco cars. Excellent low temperature fluidity provides great startability and fuel saving performance even under severely cold condition with low temperature. Fully synthetic base oil protects the engine by protecting metal even at high temperature and low temperature, and provides stable performance. This oil satisfies the requirements of API's current highest standard "SP", and equipped with detergency and dispersion performance, durability and heat resistance performance, and anti-friction performance.

[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 tend to occur at cold temperatures are taken into the oil, to stop them attaching to metal inside engine.
- Provides strong oil-film performance even at high temperature, and antioxidant performance prevents the rise of viscosity. Friction loss is reduced to contributes to fuel saving and comfortable driving.
- Suppresses LSPI (Low Speed Pre-Ignition) and Timing Chain Wear, and improves piston cleanliness and fuel economy.
- Compliant with the requirements of "API SP Resource Conserving" and "ILSAC GF-6" ("Shield" Certification Mark). Suitable for gasoline engine cars which are designated to use OW-16 viscosity oils.

[Specifications]

Usage	Engine Oil for 4-Cycle Gasoline Engine
Product Line	ZERO LINE
Product Name	TCL ZERO LINE Engine Oil OW-16
Standard	API SP / ILSAC GF-6
Base Oil	Fully Synthetic
Viscosity	OW-16

[Representative physical properties]

Density (15°C)	g/cm ³	0.8449
Color (ASTM)		L3.0
Flash point (COC)	°C	234
Pour point	°C	-47.5
Viscosity (-35°C)	mPa·s	5,340
Kinetic viscosity (40°C)	mm ² /s	37.14
Kinetic viscosity (100°C)	mm ² /s	7.284
Viscosity index		165
Base number (PCA)	mgKOH/g	5.94
Foaming test (SeqII)	ml	0/0

Item Code	Packing
Z0010016SP	1L x 20 pcs
Z0040016SP	4L x 6 pcs
Z0200016SP	20L x 1 pc