

**FUEL ECONOMY
ENGINE OIL**

ZERO LINE SP GF-6 0W-16

HYBRID

Improves fuel efficiency. High-performance engine oil suitable for hybrid vehicles!

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 conditions 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.



Tanikawa Chemical Laboratory

TCL

ZERO LINE

FULLY SYNTHETIC

SP GF-6 0W-16

HYBRID



Item Code	Package
Z0010016SP	1L×20pcs
Z0040016SP	4L×6pcs
Z0200016SP	20L×1pc
Z2000016SP	200L×1drum

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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 contribute 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.

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
Kinematic viscosity (40°C)	mm ² /s	37.14
Kinematic viscosity (100°C)	mm ² /s	7.284
Viscosity index		165
Base number (PCA)	mgKOH/g	5.94
Foaming test (Seq II)	ml	0/0

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



TCL

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