

**FUEL ECONOMY
ENGINE OIL**

ZERO LINE SP GF-6 5W-20

High-performance engine oil with excellent low-temperature starting and fuel-efficient properties!

The excellent low-temperature fluidity enables smooth engine start even at very cold temperature. And under any temperature condition, it offers friction reduction effect and cleaning and dispersing performance, which keeps clean inside the engine.

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". This oil is suitable for cars which are recommended to use low viscosity oil



Tanikawa Chemical Laboratory

TCL®

ZERO LINE FULLY SYNTHETIC SP GF-6 5W-20



Item Code	Package
Z0010520SP	1L×20pcs
Z0040520SP	4L×6pcs
Z0200520SP	20L×1pc
Z2000520SP	200L×1drum

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Product features

- Makes it easier to start the engine in extremely cold conditions, and reduce the load on the battery.
- Superior Low-Temperature Fluidity enables the lubrication throughout the engine as soon as engine starts, and protects the metal inside the engine from "dry start".
- Contributes to fuel saving by reducing the load of engine starting, even for "hybrid vehicles" and "cars with Start-stop system" that repeat starting and stopping of the engine.
- By excellent cleaning and dispersing performance, dew condensation, which is tend to appear when the engine is not warm enough, is taken into the oil to disperse, and prevents it to adhere to the metal.
- Suppresses LSPI (Low Speed Pre-Ignition) and Timing Chain Wear, and improves piston cleanliness and fuel economy.
- Complying with the requirement of "API SP Resource Conserving" and "ILSAC GF-6" ("Starburst" Certification Mark). Suitable for "Gasoline engine cars which are designated to use 5W-20 oil.

Representative physical properties

Density (15°C)	g/cm ³	0.8504
Color (ASTM)		L3.0
Flash point (COC)	°C	252
Pour point	°C	-37.5
Viscosity (-30°C)	mPa·s	5,490
Kinematic viscosity (40°C)	mm ² /s	47.77
Kinematic viscosity (100°C)	mm ² /s	8.317
Viscosity index		150
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 5W-20
Standard	API SP / ILSAC GF-6
Base Oil	Fully Synthetic
Viscosity	5W-20



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