



Tanikawa Chemical Laboratory
TCL[®]

ZERO LINE
FULLY SYNTHETIC

Made
in
JAPAN

SN GF-5 5W-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 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 is at the highest level of API standard. This oil is suitable for cars which are recommended to use low viscosity oil.

[Product features]

- Makes it easier to start the engine in extremely cold conditions, and reduces 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.
- With the formulation to suppress the friction loss specifically designed for fuel-efficient vehicles, contributes to fuel-saving even under all driving conditions, from the moment of engine start.
- Complying with the requirement of "API SN Resource Conserving" and "ILSAC GF-5" ("Starburst" Certification Mark). Suitable for Gasoline engine cars which are designated to use 5W-20 oil.

[Specifications]

Usage	Engine Oil for 4-Cycle Gasoline Engine
Product Line	ZERO LINE
Product Name	TCL ZERO LINE Engine Oil 5W-20
Standard	API SN / ILSAC GF-5
Base Oil	Fully Synthetic
Viscosity	5W-20

[Representative physical properties]

Density (15°C)	g/cm ³	0.8522
Color (ASTM)		L3.0
Flash point (COC)	°C	236
Pour point	°C	< -42.5
Viscosity (-30°C)	mPa·s	5,680
Kinetic viscosity (40°C)	mm ² /s	49.59
Kinetic viscosity (100°C)	mm ² /s	8.549
Viscosity index		150
Base number (PCA)	mgKOH/g	7.68
Foaming test (SeqII)	ml	0/0

Item Code	Packing
Z0010520	1L x 20 pcs
Z0040520	4L x 6 pcs
Z0200520	20L x 1 pc