



Tanikawa Chemical Laboratory  
**TCL**<sup>®</sup>

**ZERO LINE**  
FULLY SYNTHETIC

Made  
in  
JAPAN

**SP GF-6 OW-30**



Innovative high-performance engine oil that combines excellent engine protection and fuel saving performance

**[Product outline]**

Blending the latest base oil with low volatility PAO (poly alpha olefin) enables excellent low temperature fluidity and strong oil film retention at high temperature. Suitable for the latest European and American cars, and Japanese cars which are designated to use low viscosity oil, for sports driving and high mileage cars. This oil satisfies the requirements of API's current highest standard "SP", and is equipped with detergency and dispersion performance, durability and heat resistance performance, and anti-friction performance. Versatile and high-performance engine oil.

**[Product features]**

- Fine fluidity at low temperature (low pour point) enables smooth engine start even in cold winter, and it protects engine.
- Realizes a quick engine response without stress, from low revolution to high revolution, and provides pleasant drive-feeling.
- 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.
- By superior "high-temperature oxidation stability", reliably protects the engines, even those which produce high temperatures such as cars with Turbo or Supercharger.
- 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" ("Starburst" Certification Mark). Suitable for gasoline engine cars which are designated to use low viscosity oils.

**[Specifications]**

Usage	Engine Oil for 4-Cycle Gasoline Engine
Product Line	ZERO LINE
Product Name	TCL ZERO LINE Engine Oil OW-30 PAO
Standard	API SP / ILSAC GF-6
Base Oil	Fully Synthetic
Viscosity	OW-30

**[Representative physical properties]**

Density (15°C)	g/cm <sup>3</sup>	0.8446
Color (ASTM)		L3.0
Flash point (COC)	°C	232
Pour point	°C	-40.0
Viscosity (-35°C)	mPa·s	5,690
Kinetic viscosity (40°C)	mm <sup>2</sup> /s	53.56
Kinetic viscosity (100°C)	mm <sup>2</sup> /s	9.907
Viscosity index		174
Base number (PCA)	mgKOH/g	5.94
Foaming test (SeqII)	ml	30/0

Item Code	Packing
Z0010030SP	1L x 20 pcs
Z0040030SP	4L x 6 pcs
Z0200030SP	20L x 1 pc