



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

**DIESEL**  
FULLY SYNTHETIC

Made  
in  
JAPAN

# DL-1 5W-30

High performance diesel engine oil caring for characteristics of all diesel engines including clean diesel

## [Product outline]

Conforming to JASO (Japanese Automotive Standards Organization) DL-1 diesel standard, which is one of the world's strictest standard. Eco-friendly engine oil compatible with clean diesel, which minimizes clogging of DPF (Diesel Particulate Filter) and improves durability of DPF. Excellent cold-startability makes it easy to start the engine in extremely cold conditions. Moreover, with the wear-reduction performance, it minimizes friction loss of high torque engine and contributes to fuel saving.

## [Product features]

- By minimizing filter clogging of the diesel particulate matter removing device, and preventing rise in exhaust pressure, reduces the load on the engine and filter, and improves prevention of clogging.
- JASO DL-1 standard requires passing of strict fuel saving tests. Fuel efficiency has improved considerably compared to conventional diesel engine oil.
- By excellent cleaning and dispersing performance and improved oxidation stability, oxidation and deterioration of diesel engine oil is effectively suppressed. It also decreases contamination inside the engine and oil filter.
- Complying with the requirement of JASO DL-1 standard for diesel engine of passenger cars. Suitable for Diesel engine cars which are designated to use 5W-30 oil.
- If it is used other than DL-1 designated car, it may cause trouble. Check well the designated oil standard with the instruction manual and then change oil.

## [Specifications]

Usage	Engine Oil for 4-Cycle Diesel Engine
Product Line	DIESEL LINE
Product Name	TCL DIESEL LINE Engine Oil 5W-30
Standard	JASO DL-1
Base Oil	Fully Synthetic
Viscosity	5W-30

## [Representative physical properties]

Density (15°C)	g/cm <sup>3</sup>	0.8543
Color (ASTM)		L4.0
Flash point (COC)	°C	228
Pour point	°C	-30.0
Viscosity (-30°C)	mPa·s	4,750
Kinetic viscosity (40°C)	mm <sup>2</sup> /s	55.00
Kinetic viscosity (100°C)	mm <sup>2</sup> /s	9.725
Viscosity index		163
Base number (PCA)	mgKOH/g	3.78
Foaming test (SeqII)	ml	0/0

Item Code	Packing
D0010530	1L x 20 pcs
D0040530	4L x 6 pcs
D0200530	20L x 1 pc