



Tanikawa Chemical Laboratory  
**TCL**

**GEAR OIL**  
SYNTHETIC BLEND

Made  
in  
JAPAN

# 80W-90/GL-5

High quality gear oil with excellent wear-resistance securely protects gear even under high temperature and high load

## [Product outline]

High performance gear oil that combines heat resistance required for manual transmission and load-bearing performance required for differential gear. Usable for the transaxle of FF cars with LSD and transmission of FR cars. Can be used also in sports driving. It protects gear and synchromesh by superior extreme-pressure lubricity and heat-resistance required for the performance of GL-5, even under the severe conditions of high temperature and high load. Carefully selected additives provide excellent extreme-pressure lubricity, thermal stability and oxidation stability.

## [Product features]

- By efficiently blended heat-resistant additives, provides excellent abrasion resistance and extreme-pressure lubricity, to prevent wear and damage of the differential gear under high load and high temperature, and realizes long service life.
- Multi-grade type gear oil with high fluidity even at low temperature in winter season, which enables smooth startability.
- With high extreme-pressure lubricity and load resistance, surely protects the differential gear even under high temperature and high load. Usable also for sports cars and drive system of 4WD cars with LSD.
- Can also be used for tough sports driving in circuit running and off-road driving, and protects gears even in frequent shift changes.

## [Specifications]

|              |                          |
|--------------|--------------------------|
| Usage        | Automotive Gear Oil      |
| Product Line | GEAR OIL                 |
| Product Name | TCL GEAR OIL 80W-90 GL-5 |
| Base Oil     | Synthetic Blend          |
| Viscosity    | 80W-90                   |

## [Representative physical properties]

|                           |                    |        |
|---------------------------|--------------------|--------|
| Density (15°C)            | g/cm <sup>3</sup>  | 0.8922 |
| Color (ASTM)              |                    | L2.5   |
| Flash point (COC)         | °C                 | 222    |
| Pour point                | °C                 | -32.5  |
| Viscosity (-40°C)         | mPa·s              | 73,400 |
| Kinetic viscosity (40°C)  | mm <sup>2</sup> /s | 132.50 |
| Kinetic viscosity (100°C) | mm <sup>2</sup> /s | 14.77  |
| Viscosity index           |                    | 112    |
| Foaming test (SeqII)      | ml                 | 10/0   |

| Item Code | Packing     |
|-----------|-------------|
| G0018090  | 1L x 20 pcs |