

PRODUCT DESCRIPTION

Eco Diesel 10W-40 is an advanced semi synthetic heavy-duty diesel engine oil which ensures maximum soot handling performance and excellent wear protection on on-road and off-road vehicles or equipment requiring a 10W40 API CK-4 engine oil. Designed to meet the demanding requirements of most OEMs in new and older engines of trucks, buses, construction machineries, farming equipment, mining, generators, fishing vessels, and other applications fitted with Exhaust Gas Recirculation (EGR) and SCR NOx reduction systems. Perfect for use in engines with or without Diesel Particulate Filters (DPF). Promotes longer component and engine life. Used for diesel fuels with sulfur content of up to 0.05% by weight. Perfect for mixed fleet applications with multiple engine makes.



Eco Diesel 10W-40 delivers optimum engine cleanliness and protection against piston deposits. Improved cold engine start up for reduced fuel consumption, without compromising the engine durability.

APPLICATION

Recommended for mixed fleets applications – diesel and gasoline engines. For new & old generation engines. Suitable for classic cars, trucks, light commercial vehicles, agricultural machineries and other on-road & off-road systems requiring a 10W-40 API CK-4 or API SN or ACEA E9 or ACEA E7 engine oils.

For diesel engines meeting EURO I, II, III, IV, V and VI emission requirements. Backward compatible with API CJ-4, CI-4 PLUS, CI-4 CH-4, CG-4, CF-4, and older specs.

WARRANTY

Eco Diesel 10W-40 meets or exceeds the OEM's warranty requirements of high-speed, 4-stroke diesel engines of 2017 model year where API CK-4 and older diesel engine oils specs is required. Suitable for gasoline engines requiring API SN engine oil. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS:

- **Longer Engine Life**
Advanced soot handling properties for reduced sludge build up, deposits formation and controlled viscosity increase for enhanced engine protection.
- **Reduced Wear**
Low temperature pumpability to protect engines from wear even during engine start up.
- **Extreme Engine Protection**
Enhanced protection against oil oxidation, viscosity loss, oil aeration, catalyst poisoning, particulate filter blocking, engine wear, piston deposits, thermal degradation and viscosity increase to keep engine like new.
- **Optimized Drain Intervals**
Outstanding high temperature stability minimizes degradation leading to the sludge formation and oil thickening.
- **Low Oil Consumption**
Well maintained viscosity across different operating temperatures to minimize evaporation or oil loss.

MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API CK-4/CJ-4/CI-4 PLUS/CI-4/SN
- ACEA E9/E7
- MB 228.31/DTFR 15C100
- Caterpillar ECF-3
- Cummins CES 20086
- Volvo VDS-4.5
- Mack EOS-4.5
- MAN M3775
- MTU Type 2.1
- Renault Truck RLD-3
- Detroit Diesel DDC 93K222
- Deutz DQC III-18 LA
- Ford WSS-M2C171-F1
- ISUZU
- HYUNDAI
- HINO
- CASE
- KAMAZ
- DAF

- NEW HOLLAND

- CLAAS
- ROSTSELMASH

Suitable for use in various OEMs for heavy loaded high-speed four stroke diesel and gasoline engines of on-road and off- road vehicles.

TYPICAL TEST DATA

Before using this product, ensure it is consistent with OEM's

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	10W-40	SAE J300
Kinematic viscosity at: 40 °C	cSt	94.93	ASTM D445
100 °C	cSt	14.07	ASTM D445
Viscosity index	-	152	ASTM D2270
Cranking viscosity at -25°C	mPa-s	6364	ASTM D5293
Color	-	3.5	ASTM D1500
Flash point	°C	222	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8586	ASTM D4052
Total Base number	mgKOH/g	8.90	ASTM D2896

recommendations for the equipment operating conditions and customer's maintenance practices.

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

HEALTH, SAFETY & ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO., LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI[®] distributor.