

PRODUCT DESCRIPTION

TOTACHI Eco Diesel Semi-Synthetic 10W-30 API CK-4/SN, ACEA E9/E7 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 10W30 API CK-4/SN, ACEA E9/E7 engine oil. It delivers fuel efficiency to diesel engines operating in severe service conditions. 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), SCR NOx reduction systems and Diesel Particulate Filters (DPF). Outstanding detergent & dispersant components to minimize premature oil thickening, keeping engines clean. Promotes longer component and engine life. Used for diesel fuels with sulfur content of up to 0.005% by weight. For use in mixed fleet applications with multiple engine makers.



Eco Diesel 10W-30 is enhanced with unique anti-friction technology, ZFM™ (Zero Friction Molecular), to considerably reduce friction and wear of highly loaded engine parts that are exposed to intensive duty cycles and high operating temperatures. It effectively maintains good oil flow for better heat transfer to ensure stable engine temperature.

APPLICATION

Recommended for mixed fleets applications – diesel and gasoline engines. For new & old generation engines. Suitable for trucks, buses, SUVs, LCVs, classic cars, light commercial vehicles, agricultural machineries, mining, construction equipment and other on-road & off-road systems requiring a 10W-30 API CK-4/API SN, ACEA E9/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-30 meets or exceeds the OEM's warranty requirements of high-speed, 4-stroke diesel engines of 2017 exhaust emission standards where API CK-4/SN, ACEA E9/E7 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:

- **Extended Drain Intervals**
Outstanding detergent and dispersant components to keep engine clean and running in optimum performance for a maximized engine oil service life.
- **Fuel Economy**
Low viscosity diesel engine oil to reduce fuel consumption versus the conventional 15W-40 diesel engine oil.
- **Excellent Wear Protection**
Shear stable to ensure maximum oil film thickness which provides added protection during severe driving conditions.
- **Mixed Fleet Applications**
A single diesel engine oil that can be used in multiple vehicles and equipment requiring a 5W-30 API CK-4 and below oil.
- **Protects After Treatment Devices**
Reduced sulfated ash levels to prevent the clogging of DPF system. Fully compatible with SCR & EGR.

MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API CK-4/CJ-4/CI-4 PLUS/CI-4/SN
- ACEA E9/E7
- MB 228.31/DTRF 15C100
- Caterpillar ECF-3
- Cummins CES 20086
- Volvo VDS-4.5
- Mack EOS-4.5

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| <ul style="list-style-type: none"> • MAN 3775 • MTU Type 2.1 • Renault Truck RLD-3 • Detroit Diesel DDC 93K222 • Deutz DQC III-18 LA • Ford WSS-M2C171-F1 • CHN MAT 3572 • DAF Extended Drain (Euro IV to VI) • ISUZU • HITACHI • MITSUBISHI FUSO • UD TRUCKS • YANMAR • JCB | <ul style="list-style-type: none"> • HINO • KOMATSU • SCANIA • CASE • TEREX • BOBCAT • ROSTSELMASH • DOOSAN |
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- KUBOTA
 - CLAAS
 - John Deere

Suitable for use in various OEMs for heavy loaded high-speed four stroke diesel and gasoline engines of on-road and off-road vehicles designed to meet 2017 exhaust emission standard requiring API CD, CE, CF-4, CG-4, CH-4, CI-4, CI-4 PLUS, CJ-4, CK-4 and SN/SM/SL/SH/SJ or ACEA E9 or ACEA E7 engine oil.

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	10W-30	SAE J300
Kinematic viscosity at:			
40 °C	cSt	75.96	ASTM D445
100 °C	cSt	11.57	ASTM D445
Viscosity index	-	145	ASTM D2270
Cranking viscosity at -25°C	mPa-s	6364	ASTM D5293
Color	-	L3.5	ASTM D1500
Flash point	°C	236	ASTM D92
Pour point	°C	-42	ASTM D6892
Density at 30 °C	kg/L	0.8587	ASTM D4052
Total Base number	mgKOH/g	8.80	ASTM D2896

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



ECO DIESEL 10W-30
Semi Synthetic
API CK-4/SN, ACEA E9/E7

intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.