



# ENEOS DIESEL 10W40 CI-4

## SEMI-SYNTHETIC DIESEL ENGINE OIL

**Material Code: EMA1602**

**ENEOS DIESEL 10W40 CI-4** Semi-Synthetic Diesel Engine Oil is extra high performance Heavy- Duty Diesel Engine Oil specially developed for modern high performance diesel engines used in severe applications. Formulated with high performance synthetic base stock and advanced additives to provide effective lubrication and “Extra Long Drain” intervals. This product is designed to use in most demanding heavy duty diesel engines meeting EURO IV emission standards.

### ❖ SPECIAL FEATURES.

1. Outstanding deposit control for cleaner engine and there by reduced maintenance cost.
2. Superior protection against bore polishing ensures longer engine life.
3. Extended TBN reserve enables prolonged drain interval capability.
4. High Viscosity index facilitates smooth operation over a wide temperature range.
5. Low volatility of synthetic fluids reduces oil evaporation.
6. High shear stability ensures viscosity control, wear protection and lower oil consumption.
7. Excellent detergency provides protection against high temperature deposit.

### ❖ APPLICATIONS.

1. Recommended for use in all low emission turbo charged and naturally aspirated heavy-duty diesel engines meeting EURO IV emission standards manufactured by European, North American and Japanese manufacturers requiring such quality Oils.
2. Suitable for on road applications including light and heavy duty highway and city applications, high speed diesel engines, mining, construction, agriculture and other off road applications.

### ❖ PACK SIZE.

208L

### ❖ PERFORMANCE LEVEL.

API-CI-4,  
ACEA E7/E4, Mack EO-M Plus  
Cummins CES 20077/78, DAF Extended Drains  
MAN M 3277, MB- Approval 228.5  
Volvo VDS-3, Renault Trucks RXD/RLD-2, Mack EO-N approval  
Scania LDF-2, MTU Oil Category 3

### ❖ TYPICAL PROPERTIES

SAE Viscosity Grade Quality Grade	10W-40 CI-4
Density (15°C), g/cm <sup>3</sup>	0.874
Flash Point (COC), °C	214
Kinematic Viscosity (100°C), mm <sup>2</sup> /s	14.58
Viscosity Index	154
Pour Point, °C	-30
TBN (HCL), mg KOH/g	12.7
Sulphated Ash, wt. %	1.7

**Note: The Typical Properties may be changed without notice.**



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Classification of the substance or preparation :</b>	Not a dangerous preparation according to 1999/45/EC.
<b>Most important adverse :</b>	No adverse hazards.
<b>Most important adverse human health effects :</b>	None under normal conditions.
<b>Precautionary Statements : Prevention</b>	No naked lights. No smoking. Keep away from sources of ignition. Handle in accordance with good industrial hygiene and safety procedures.
<b>Response</b>	After inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists. After contact with skin : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops. After contact with eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops. After ingestion : DO NOT INDUCE VOMITING. Seek medical attention immediately. Other Information : If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.
<b>Storage</b>	Keep container closed when not in use. Keep at temperature not exceeding 45°C. Keep only in the original container in a cool, well ventilated place.
<b>Disposal</b>	Waste disposal : Dispose in a safe manner in accordance with local/national regulations. Waste-disposal procedures : See Directive 2001/118/EC Industrial waste number (EURAL) : 13 02 06 - Synthetic engine, gear and lubricating oils. Contaminated packaging : Do not attempt to refill or clean containers without proper instructions. Do not cut , pressurise, weld, braze, solder, drill, grind or expose such containers to the heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death.