

## TECHNICAL DATA SHEET

### MEEK PREMIUM MARINE CI4 15W 40

#### PRODUCT DESCRIPTION

**MEEK PREMIUM MARINE CI4 15W 40**, is a super high performance diesel engine oil which meets the latest performances of the leading engine manufacturers and offers maximum protection in modern technology engines. It protects engine parts against oxidation even at high temperatures. Its special formula improves performance of both low and high mileage diesel engines.

#### APPLICATIONS

- It is suitable to use in diesel engines without DPF of light commercial and heavy commercial vehicles operating in construction, mining and transportation sectors.

#### CHARACTERISTICS

- It provides maximum protecting by lubricating engine parts even under severe conditions.
- Its high oxidation and thermal stability keeps its performance during oil drain interval recommended by the original equipment manufacturers (OEM).
- Its excellent fluidity protects the engine parts against wear by providing fast lubrication during cold start up.
- Its advanced additive package keeps engine parts cleaner, so extends engine service life.

#### APPROVALS

- DEUTZ DQC III-10
- MACK EO-N
- MB-APPROVAL 228.3
- RENAULT VI RLD-2
- VOLVO VDS-3

#### PERFORMANCES

- ACEA E7
- API CI-4/SL
- CAT ECF-2
- CUMMINS CES 20078/77/76
- GLOBAL DHD-1
- MAN M 3275-1
- MTU DDC TYPE 2

#### TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,889
Viscosity@ 40°C, mm <sup>2</sup> /s	ASTM D 445	109,8
Viscosity@100°C, mm <sup>2</sup> /s	ASTM D 445	14,6
Viscosity Index	ASTM D 2270	137
Flash Point, °C	ASTM D 92	228
Pour Point, °C	ASTM D 97	-33
TBN, mgKOH/g	ASTM D 2896	10,8



## HEALTH AND SAFETY RECOMMENDATIONS

Waste oils must not be discharged into underground or surface water sources, sewage systems or garbage cans. Prolonged or repeated contact with used oils may cause skin diseases. Therefore sterilized gloves should always be used. If part of the skin comes into contact with waste oil, that part should be immediately washed with plenty of soap and water. In case of skin irritation or redness caused by contact, seek advice of your doctor immediately. For more information contact Material Safety Data Sheet (MSDS).

The vehicle and equipment manufacturers specifications and relevant international standards were taken into consideration while preparing the content of this Technical Data Sheet. The expressions in the content of this Technical Data Sheet can not be considered as guarantee commitment or similar way in terms of product characteristics and product use in any applications.

The correct use of this product, compliance with applicable laws and regulations is responsibility of the user. Mineral Energies Petrol A.Ş. can not be held responsible for any loss or damage arising from the abnormal use and misuse or any hazards of product content and its results.

This Technical Data Sheet is valid from the date of publication. The information in the content of this Technical Data Sheet are subject to change without notice. Please contact with Mineral Technical Department for more information

