

## PHIMO MASTERLINE CK-4 15W40

### Description:

This Heavy Duty engine oil is formulated with unique low SAPS high performance additives in combination with special selected base oils. This multigrade engine oil fulfills the latest requirements of OEMs for use in high speed four stroke diesel engines of the latest models and has the following properties:

- meets or exceeds the requirement of the nowadays low emission standards
- an excellent cold start properties
- a very good shear stability
- an improved oxidation resistance
- a very strong dispersion, therefore the deposits and sludge are restricted to a minimum
- excellent properties against wear, corrosion and foam
- a lower oil consumption

### Application:

This Heavy Duty engine oil is suitable for use in both on-road and off-highway applications. This engine oil contributes to low exhaust emission and particle levels, which highly benefits the lifetime of emission control systems. By meeting the requirements of OEMs in Europe and North America this product has a wide choice of application possibilities. This product can be applied in Euro 5 and Euro 6 engines with SCR exhaust gas system and in Euro 3 and Euro 4 engines when indicated by the manufacturer.

### Specifications:

ACEA E9  
API CK-4/SN  
Mack EOS-4.5  
Renault VI RLD-3  
Volvo VDS-4.5  
Meets the requirements of:  
Cat ECF-3

Cummins CES 20086  
Detroit Diesel 93K222  
Deutz DQC III-18 LA  
Ford WSS M2C171-F1  
MAN M 3775  
MB 228.31  
MTU Type 2.1

### Typicals:

Density at 15 °C, kg/l	0,874
Viscosity -20 °C, mPa.s	6480
Viscosity 40 °C, mm²/s	113,00
Viscosity 100 °C, mm²/s	14,90
Viscosity Index	137
Flash Point COC, °C	222
Pour Point, °C	-36
Total Base Number, mgKOH/g	8,1
Sulphate Ash, %	0,90