

## AUTOMOTIVE LUBRICANTS. HEAVY DIESEL

# TRACTION MAX 15W40



### DESCRIPTION

Engine lubricant formulated with premium bases of maximum performance and GLOBAL character. Especially recommended for European (ACEA E7), American (API CI-4) and Asian (JASO DH-1) latest technology vehicles that comply with Euro V, Euro IV and previous emissions regulations that are not equipped with the diesel particulate filter (DPF).

### PRODUCT APPLICATIONS

- High-performance oil specifically designed for supercharged diesel engines in heavy vehicles intended for long-distance, urban transportation, and public works when a low-consumption lubricant with "superior" quality are required.
- It has been tested to guarantee its compatibility with high-carbon fuels, avoiding degradation sustained by previous technologies.
- Suitable for use with diesel fuels with up to 0.5% sulfur content, always respecting the oil change periods indicated by manufacturers.
- Suitable for use in engines equipped with EGR.
- Not compatible with Euro VI and/or earlier vehicles equipped with Diesel Particulate Filter (DPF).

### PRODUCT PERFORMANCE

- Thanks to its new additive technology, it provides a higher level of engine and turbocharger protection and cleanliness than other SHPD or THPD oils on the market.
- It uses high quality and resistant detergents, which keeps the engine clean of soot deposits and helps to remove varnishes, guaranteeing maximum protection against the formation of acids from fuel combustion until the last day of use, provided that the change intervals established by the manufacturer are respected.
- The exceptional balance of lubricant bases used in combination with state-of-the-art polymers reduces the loss of oil viscosity by shear, thus avoiding wear due to breakage of the protective film of the lubricant between moving parts, guaranteeing perfect lubrication even in situations of high load and low speed.

### LEVELS OF QUALITY

- |                     |                |                    |                                   |
|---------------------|----------------|--------------------|-----------------------------------|
| • ACEA E7           | • API CI-4     | • MAN M 3275-1     | • DTFR 15B110 (MB-Approval 228.3) |
| • VOLVO VDS-3       | • MACK EO-N    | • Renault RLD-2    | • Detroit Diesel DDC93K215        |
| • CUMMINS CES 20078 | • MTU Type 2   | • DEUTZ DQC III-18 | • CAT ECF-2                       |
| • JASO DH-1         | • GLOBAL DHD-1 |                    |                                   |



### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	TRACTION MAX 15W40
SAE Grade	-	-	<b>15W-40</b>
Density 15 °C	g/ml	ASTM D 4052	0.886
Viscosity at 100 °C	cSt	ASTM D 445	14.0
Viscosity at 40 °C	cSt	ASTM D 445	103
Viscosity Index	-	ASTM D 2270	138
CCS Viscosity at -20°C	cP	ASTM D 5293	5218
Pour Point	°C	ASTM D 5949	-39
Flash Point, COC	°C	ASTM D 92	224
Base number, TBN	mg KOH/g	ASTM D 2896	12.2
Sulfated ash	% (m/m)	ASTM D 874	1.5

### HEALTH & SAFETY AND ENVIRONMENT

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.