



## Technical Data Sheet

# MEGATURBO

## *Multigrade lubricant for heavy-duty diesel engines*

Lubricant engineered to suit different driving conditions. The additive package used plays a multiple protective action against wear, deposit formation and resistance to high temperature stress. The ultimate goal is to provide the end user an extension of engine life, maintaining almost unchanged performance with continuous protection. The formulation makes it suitable for virtually all heavy-duty diesel engines, turbo or not, to use both road and off-road.

### Applications & Benefits

#### - Engine Cleaness

The balanced formulation of detergent and dispersing additives provides a high standard of cleaning of the pistons and the engine, which results in an elongation of efficiency and life of the same.

#### - Wear Protection

It controls and prevents the occurrence of wear and tear, ensuring a good engine cleanup and elongating its life cycle. All this results in a power output and a stable efficiency over time (maintenance cost reduction).

#### - High Temperature Protection

The continuous work done by the additive package guarantees system protection even under extreme operating conditions (such as high pressures and temperatures).

#### - Versatility

The MEGATURBO 15W-40 is suitable for a wide range of applications such as heavy diesel engines, mining and construction equipment and agricultural fields where START & STOP continues to produce deposits and wear.

### Specifications & Approvals

#### - Exceeds the specifications listed below:

ACEA E3

API CH-4, CG-4, CF-4, CF

API SJ

DTFR 15B110

Volvo VDS-2

MAN M 3275-1

Mack EO-M, EO-M+

Renault RLD-2

MTU Type 2

DDC 93K215

Cummins CES 20077

Caterpillar ECF-1-a

MIL-L-2104 E

Suitable for use:

Allison C4

Iveco T2 E3

\*for further information please contact the Technical Service.

## Chemical-Physical Characteristics

Test	Method	Megaturbo	
<b>SAE Grade</b>	-	<b>15W-40</b>	<b>20W-50</b>
Density @ 15°C, kg/dm <sup>3</sup>	ASTM D 4052	0.875	0.880
Viscosity cSt @ 40°C	ASTM D 445	105.0	150.0
cSt @ 100°C		14.0	19.0
Viscosity Index - Unit	ASTM D 2270	135	140
CCS, mPa·s at req. low. temperature	ASTM D 5293	6600	9000
TBN	ASTM D 2896	5.0	5.0
Sulphated Ash - % wt	ASTM D 874	1.20	1.20
Flash point, °C	ASTM D 92	230	230
Pour point, °C	ASTM D 97	< -36	< -27

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

## Storage, Health & Environment

### - Storage & Health

It is recommended to store the MEGATURBO lubricant under cover. If storage is carried out outdoors, it is recommended to position the drums, preferably under a roof, in a horizontal position and, if kept upright, cover them with a lid to prevent water infiltration. It is advisable not to store the packs at temperatures above 60°C or directly in the sun as it is good to keep them in places not subject to freezing.

MEGATURBO does not have any health effects when properly used, applying the normal personal hygiene standards.

### - Environment

Do not discharge the new and/or exhausted lubricant into the sewage system, soil or watercourses. Exhausted lubricant must be delivered to an authorized collection point.

## Additional information

### - Safety Data Sheet

It is provided aside and must be considered for its information or can be easily downloaded from [www.rilub.it](http://www.rilub.it)  
Contact your technical service for more information:



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