

GI-V TR 15W50

LUBRICANT FOR REINFORCED PROTECTION OF DIESEL AND PETROL ENGINES



APPLICATIONS

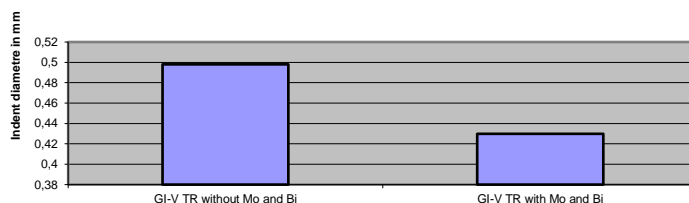
GI-V TR 15W50 meets the requirements of naturally-aspirated or turbocharged diesel engines running on trucks, tractors and heavy equipment.

GI-V TR 15W50 is also suitable for use in mixed fleets comprising petrol and diesel vehicles, within the limits of manufacturer recommendations (e.g. not recommended for HDi type direct injection turbo diesel engines).

ADVANTAGES

- **GI-V TR 15W50** is based on an original technology developed by UNIL OPAL which combines highly refined bases with special molybdenum and bismuth based components
- Regular use of **GI-V TR 15W50** in engines which tend to burn oil reduces this phenomenon quite noticeably
- With **GI-V TR 15W50** oil change intervals are extended up to 20,000 / 30,000 km, according to manufacturers, in long distance haulage or 300 hours in heavy duty public works
- But **GI-V TR 15W50** also has other advantages, thanks to its special molybdenum and bismuth base additives
- **Molybdenum** is a polar additive which fixes itself onto the lubricated metal parts and **reduces the friction coefficient by between 15 and 50%** for parts in contact with each other. This advantage is effective every time you start your engine. This additive also lowers sulphur and phosphorus content in oil while maintaining performance: it is a definite **plus for durability of particle and NOx traps** which are sensitive to these elements
- **Bismuth**, on the other hand, is an additive which optimises the action of sulphur contained in the oil, and **improves the anti-wear performance of the lubricant by 14%** (see test below)

Wear according to 4-ball test (ASTM D 4172)



PERFORMANCES

PERFORMANCE LEVELS

ACEA E7-22
ACEA A2/B2-02
API CI-4 / SL

VOLVO VDS - 3
MB 228.3
MAN M3275



CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	AVERAGE VALUES
SAE grade	-	-	15W-50
Colour	-	Visual	Green
Density at 15°C	kg/m ³	NF T 60-101	875
Kinematic viscosity at 40°C	mm ² /s	NF T 60-100	139
Kinematic viscosity at 100°C	mm ² /s	NF T 60-100	18,5
Viscosity index	-	NF T 60-136	150
Dynamic viscosity at -20°C	mPa.s	ASTM D 2602	5502
Flash point	°C	NF T 60-118	236
Pour point	°C	NF T 60-105	-42
TBN	mgKOH/g	ASTM D 2896	10,5

Average characteristics are given as an indication

HEALTH, SAFETY AND ENVIRONMENT

Oil must be disposed of in accordance with the regulations in force on the disposal of waste oils.

Store in a sheltered place.

Our technical department is at your disposal to provide the advice you need.