

TP Max 10W-40

Star Concept

KEY DATA



"3 functions" lubricant developed for materials used in Public Works or Quarries. TP Max 10W-40, added to TP Trans 80W-90, form the concept "TP Concept".

INTERNATIONAL STANDARDS

- 💧 API CI-4 / CH-4
- 💧 ACEA E7 / E5
- 💧 GLOBAL DHD-1

MEETS THE REQUIREMENTS OF

Engine Applications:

- 💧 SAE 10W-40
- 💧 CATERPILLAR : ECF-1
- 💧 DTFR 15B110 (228.3)
- 💧 VOLVO : VDS-3
- 💧 RENAULT : RLD
- 💧 DEUTZ : DQC II-05
- 💧 CUMMINS : 200076 / 20077 / 20078
- 💧 MTU : Cat. 2
- 💧 MAN : M 3275

Transmission Applications :

- 💧 API GL-4 / SAE 30 in service
- 💧 CATERPILLAR TO-2
- 💧 ALLISON C4 (Old spec.)
- 💧 Hydraulic Applications :
- 💧 AFNOR HV 68 (46/68 in use)
- 💧 ZF TE ML 07C
- 💧 CATERPILLAR : HYDO

APPLICATIONS

3 functions :

1. Engines
2. Hydraulics Systems
3. Manuel or powershift gearboxes

TP Max makes it possible to lubricate Diesel engines of the last generation, notably the cleaner engines according to the TIER 1, TIER 2 or TIER 3 (Euro IIIa) standards. It can lubricate the small gasoline engines and the piston-compressors.

TP Max applies in all hydraulics systems, high or low pressure, equipped of very power take-off or some retarders, which need specific lubricants.

TP Max can be used in all seasons due to its high viscosity index :

- 💧 very fluid at cold temperature, with easy cold starting of organs with an effective and rapid filtration, even in Winter season.
- 💧 thick at high temperature, keep an optimal lubrication and a low oil consumption due to its non-conventional base oil.

PERFORMANCES & CUSTOMER BENEFITS

- 💧 Allows to cancel many supplying within specifics products
- 💧 Reaches the highest quality levels required by the manufacturers for their engines (E7/CI-4), transmissions (GL-4) and hydraulics systems (HV class)
- 💧 Cancels all potentiality of lubricant applications errors
- 💧 Enable longer drain interval specific conditions

CHARACTERISTICS*

TEST	UNIT	TEST METHOD	RESULT
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	81.5
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	13
Viscosity index	-	ASTM D2270	160
Pour point	°C	ASTM D97	-42
Flash Point	°C	ASTM D97	235

* The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.



TotalEnergies Lubricants / Last update of this datasheet: August 23 / TP Max 10W-40

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at www.lubricants.totalenergies.com.