

TP Star Trans 85W-110

Star Concept

KEY DATA



Very high performance lubricant specially developed for the lubrication of machinery used in Public Works, Mines or Quarries in hot climates areas.

TP Star Trans 85W-110, together with TP Star Max HT 15W-40, form the "Hot climates TP Star CONCEPT".

INTERNATIONAL STANDARDS

- 🔥 API GL-5 / GL-4

MEETS THE REQUIREMENTS OF

- 🔥 CATERPILLAR FD-1 (SAE 50)
- 🔥 CATERPILLAR TO-4 (SAE 50)
- 🔥 KOMATSU Micro Clutch

APPLICATIONS

TP Star Trans makes it possible to lubricate front or back strongly hypoid axles and loaded final reductions.

TP Star Trans is usable in limited slip self-locking disc differentials.

TP Star Trans permits also the cooling and the good work without vibrations of oil immersed brake systems.

TP Star Trans can also be used in all types of gearboxes, powershift or mechanical type (with or w/out synchronized shifting) requiring an SAE 50 viscosity grade.

Thanks to its high viscosity, TP Star Trans can be used all year round, even in case of very hot ambient temperatures.

In certain application cases, TP Star Trans must be used in conjunction with the Star XL additive (Refer to the Technical Data Sheet).

PERFORMANCES & CUSTOMER BENEFITS

- 💧 Allows to strongly decrease the lubricant number needed for the whole vehicle park maintenance.
- 💧 Reaches the performance levels required by the machinery OEMs for the severe earth-moving applications.
- 💧 Erases all mistake possibilities of lubricant application, with security.

CHARACTERISTICS*

TEST	UNIT	TEST METHOD	RESULT
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	210
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	20
Viscosity index	-	ASTM D2270	110
Pour point	°C	ASTM D97	-24
Flash Point	°C	ASTM D97	240

* 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: March 24 / TP Star Trans 85W-110

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.