Technical Data for:

MARA HYMAX TO-4 SAE 10W

Description:
MARA HYMAX TO-4 SAE 10W is premium oil (TDTO) engineered specifically for hydrodynamic gears, hydraulic reducers, regulator fittings, and torque converters in heavy-duty mining, construction, agricultural, and other machinery. It meets Caterpillar TO-4 specifications, ensuring optimal performance and durability for your equipment.

Benefits:
- Excellent lubrication under all conditions
- Minimizes sludge and deposit formation, ensuring cleaner operation

Specifications and approvals:
API GL-4
ZF TE-ML 03C
ZF 07D
ZF 07F
ALLISON C4
KOMATSU KES 07.868.1
SPERRY EATON
SPERRY VICKERS M2950S
SPERRY I-280-S
CATERPILLAR TO-4
CATERPILLAR TO-4M

Typical characteristics:

Test	Method	Unit	Results
Density at 15 °C	ASTM D 4052	[g/cm³]	0,87-0,88
Kinematic viscosity at 40 °C	ASTM D 445	[mm²/s]	30-35
Kinematic viscosity at 100 °C	ASTM D 445	[mm²/s]	5,0-6,0
Viscosity index	ASTM D 2270	-	> 95
Pour point	ASTM D 97	[°C]	< -30
Flash point (Cleveland)	ASTM D 92	[°C]	> 200
T.B.N.	ASTM D 2896	mg KOH/g	> 7

The values provided are for informational purposes only. The exact values for a specific batch are available on the Certificate of Analysis (CoA).

Storage:
Please store in a well-ventilated, dry, and cool area, away from direct sunlight and out of reach of children. Additional information can be found in the safety data sheet.