

# Product Information

## JB GERMAN OIL TO-4 SAE 10W

J2150



### Description

JB GERMAN OIL TO-4 SAE 10W is a special transmission oil for supplying construction machinery and tractors. JB GERMAN OIL TO-4 SAE 10W meets the increased demands of the Caterpillar TO-4 specification and is therefore suitable for use in gearboxes, final drives, hydraulic systems, wet brakes and clutches which require this specification.

### Instructions for use

JB GERMAN OIL TO-4 SAE 10W ensures maximum wear protection in various gearboxes, such as side drives and differentials, it optimizes the friction coefficient in power-shift transmissions, wet brakes and clutches and guarantees maximum service life for the units.

### Quality classification

#### Specification

- API MT-1
- API CF

#### Recommendation

- Allison C-4
- Caterpillar TO-4M
- Komatsu KES 07.868.1 (2002)
- ZF TE-ML 03C

### Properties

- A high dispersion and detergent capability
- High oxidation stability
- A high and stable viscosity index
- Outstanding high-pressure properties
- Protection against wear, corrosion and foaming

### Technical specifications

Properties	Data	Unit	Testing under
Kinematic Viscosity at 40°C	37,3	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Kinematic Viscosity at 100°C	6,5	mm <sup>2</sup> /s	DIN 51659-2:2017-02
Viscosity Index	125		DIN ISO 2909:2004-08
Appearance	YELLOWBROWN		VISUELL
Viscosity CCS at -25°C	3240	mPa*s	ASTM D 5293:2020
Density at 15°C	863	kg/m <sup>3</sup>	DIN EN ISO 12185:1997-11
Pour Point	-36	°C	ASTM D 7346:2015
Total Base Number (TBN)	9,4	mgKOH/g	ASTM D 2896:2015