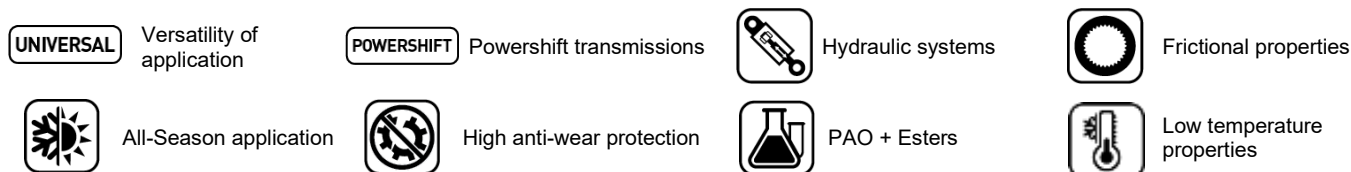


G-Special TO-4 5W-30



G-Special TO-4 5W-30 – fully synthetic transmission - hydraulic oil, intended for off-road, mining, construction and other special equipment. Formulated for highly loaded powershift transmissions, hydraulic systems and oil-immersed brakes in order to meet requirements of Caterpillar and Komatsu. Oil has optimal frictional properties and protects working surfaces of the mechanisms against wear. Provides efficient operation of the units and assemblies in condition of negative temperatures unlike SAE 10W and 30 grades. Due to fully synthetic base, it provides better protection against deposits formation compared to mineral and semi-synthetic base components oils.

Application



- Mining and construction equipment, including Caterpillar, Komatsu
- Off-road heavy-duty equipment where TO-4 class oils are required
- Applicable to use in condition of extremely low temperatures
- Powershift transmissions and power takeoff systems, hydraulic systems, wet brakes
- Not applicable for units where UTTO oils are specified

Advantages/Potential benefits

G-Special TO-4 5W-30 oil with the increased level of anti-wear additives allows to provide high efficiency of transmissions and hydraulic systems under heavy operating conditions:

Characteristics	Advantages/Potential Benefits
Excellent frictional properties	Ensuring of smooth operation of clutches and brakes – reliable equipment operation
High oxidation and deposit formation stability	Minimizing of acids and deposits formation – service life maintaining of the equipment parts
Good anti-wear properties	Hydraulic drives and gears protection – repair cost reduction
All-Season application	Reliable starting at low temperatures and stable oil film at the high operating temperatures – uninterrupted operation of equipment
Protection against deposits	Fully synthetic base allows to keep cleanliness in systems, as well as addition of esters provides increased level of detergents
Versatility of application	Possibility of application in hydraulic systems and transmission units – saving space and storage costs.

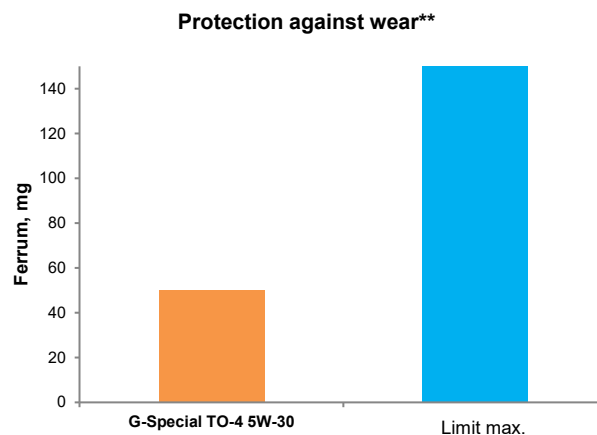
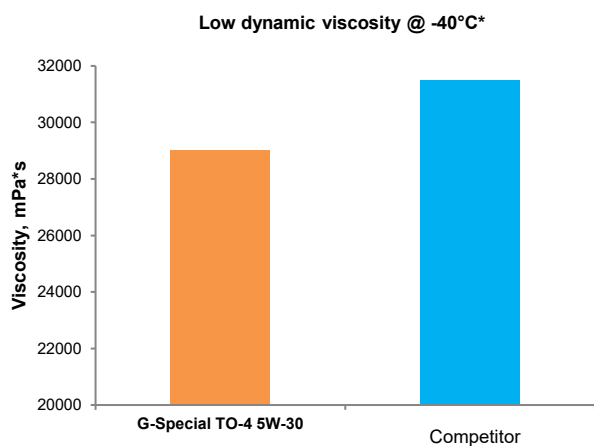
Typical physical and chemical characteristics

Parameters	Value	Method
Kinematic Viscosity @100°C, mm ² /s	11,15	GOST 33
Brookfield Viscosity @-25°C, mPa·s	3647	ASTM D2983
Flash Point (COC), °C	246	GOST 4333
Pour Point, °C	-52	GOST 20287
Density @ 15 °C, kg/m ³	861,7	GOST P 51069

Specifications

- Caterpillar TO-4
- Allison C-4
- Komatsu KES 07.871
- ZF TE-ML 03C, 07F

Transmission- hydraulic oil **G-Special TO-4 5W-30** exceeds requirements of the main specifications according to the tests:



* ASTM D2983 test

** FZG Wear test

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

