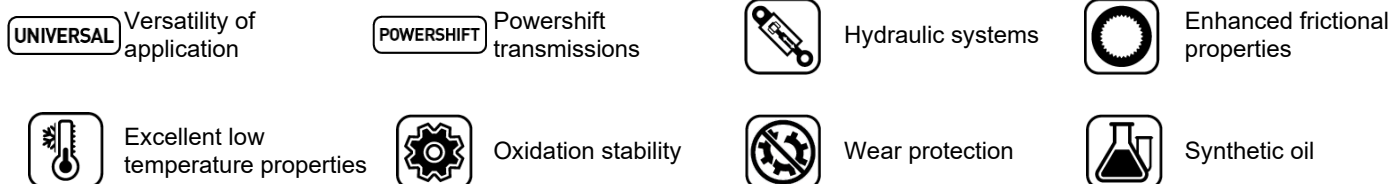


G-Special TO-4 Arctic 0W-20



G-Special TO-4 Arctic 0W-20 is a synthetic transmission-hydraulic fluid, intended for operating in powershift transmissions and heavy duty drivetrains of off-road equipment. Specially developed for operating in the condition of Far North. Formulated with synthetic components API Group IV (PAO) and last generation viscosity modifier, which provide excellent low temperature properties and oxidation stability.

Applications



- For mining and construction equipment, including Caterpillar, Komatsu.
- For off-road equipment, where TO-4 class oils are required.
- Applicable in powershift transmissions, hydraulic systems, wet brakes and clutches.
- Possible to use in onboard gearboxes, power takeoff systems, differential units.
- Not intended to use in units, where UTTO class oils are required.

Advantages/Potential benefits

G-Special Arctic TO-4 0W-20 with the use of PAO base components allows to ensure high transmission and hydraulic system efficiency under the heavy operating conditions:

Characteristics	Advantages/Potential Benefits
Excellent low temperature properties	Possibility of equipment to operate in harsh climatic conditions- minimization of unplanned downtimes
High oxidation stability	Possibility of long-term operating of working fluid – lubricants costs reduction
Enhanced frictional properties	Optimized clutch-friction retention and slippage control – maximum clutches service life
Increased levels of anti-wear capability	Improved wear resistance of hydraulic pumps- reduction of repair costs
Stable viscosity level	Retaining viscosity properties within entire oil drain interval- optimal units operation
Compatible with seal materials	Inertness to various elastomers – reduction of maintaining costs

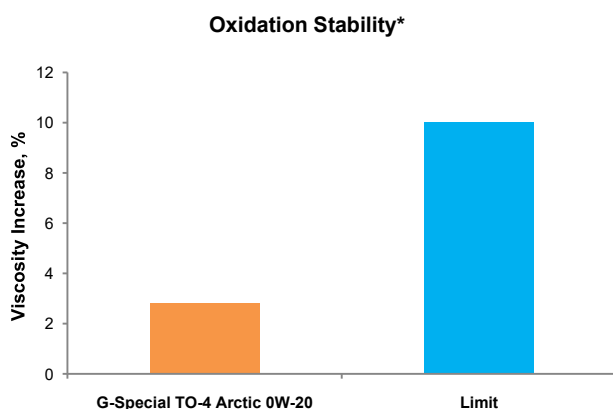
Specifications

- Caterpillar TO-4
- Allison C-4
- Komatsu Micro-Clutch
- Eaton E-FDGN-TB002-E

Typical Physical and Chemical Characteristics

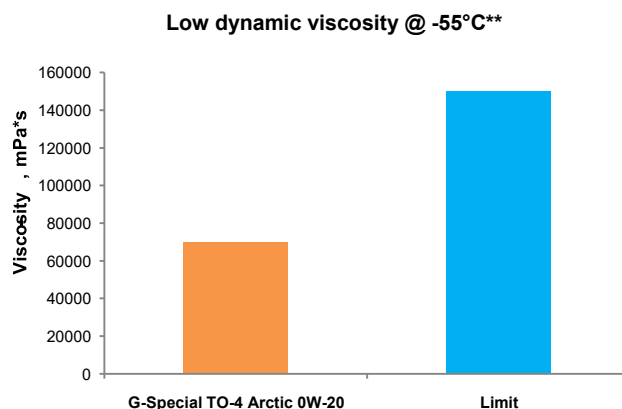
Parameters	Method	Value
Kinematic Viscosity @100°C, mm²/s	GOST 33	7,0
Viscosity Index	ASTM D2270	168
Brookfield Viscosity @-40°C, mPa·s	ASTM D2983	9880
Flash Point (COC), °C	GOST 4333	229
Pour Point, °C	GOST 20287 (B)	-61
Density @15°C, kg/m³	ASTM D4052	848,9

Transmission-hydraulic oil **G-Special Arctic TO-4 0W-20** exceeds requirements of main specifications according to the tests:



*DKA (CEC-48-A-95); **ASTM D2983

High oxidation stability of G-Special Arctic TO-4 0W-20 admits extended oil drain interval



G-Special Arctic TO-4 0W-20 operates perfectly at lowest temperatures, reducing likelihood of unplanned equipment downtimes

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

ISO 9001



ISO 14001



ISO 45001

