

## TSp-15K

Automotive Gear Oil

**TSp-15K** is high performance mild extreme pressure automotive gear oil specially designed for KAMAZ gearboxes and axle-drives. It is blended from highly refined mineral base oils and combined with extreme pressure and anti-wear additives plus oxidation and foam inhibitors to extend the life of gear components. TSp-15K is factory-fill oil in KAMAZ vehicles.

### Applications

- Manual transmissions operating under moderate to severe conditions
- Spiralbevel axles operating under mild to moderate conditions of speed and load
- KAMAZ and YaMZ vehicles
- Construction, mining, quarrying, and agriculture equipment, requiring API GL-3 level performance
- Not recommended for use in automotive and heavy duty differentials where API GL-4 or API GL-5 gear oils are specified

Features	Advantages and Potential Benefits
Good anti-wear properties	Reduces wear, preventing failures to extend equipment life and reduces maintenance costs
Good thermal and oxidation stability	Reduced deposits and sludge build-up for extended gear and bearing life
Low foaming	Prevention of foaming for smoother lubrication
Compatible with common seal materials	Excellent leakages control

#### Meet the requirements:

- API GL-3

#### Approvals:

- KAMAZ
- YaMZ

### Typical Characteristics

Properties	Method	TSp-15K
SAE Viscosity Grade	SAE J306	80W-90
Kinematic viscosity @100°C, mm <sup>2</sup> /s	ASTM D 445	15,3
Viscosity Index	ASTM D 2270	94
Brookfield Viscosity @ -20°C, mPa·s	ASTM D2983	37 000
Flash Point (COC), °C	ASTM D 92	237
Pour Point, °C	ASTM D 97	-28
Density @20°C, kg/m <sup>3</sup>	ASTM D 4052	892
Tribological characteristics at 20°C, Four-Ball Method:		
Load-wear index, N	ASTM D 2783	539
Weld point, N		3960
Wear Scar Diameter, mm		0,44

### Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.