

# Gearbox grease OS

## Gearbox grease

### APPROVALS

Russian Railways, OJSC

### PRODUCT DESCRIPTION

**OS-L, OS-Z** are semi-liquid gearbox greases designed for use in highly loaded gearboxes of locomotive propulsion engines.

The **OS-L** gearbox grease is designed for summertime operation.

The **OS-Z** gearbox grease is designed for wintertime operation.

The **OS-L, OS-Z** gearbox greases are manufactured from high-viscosity mineral oil thickened with soda soaps of fatty acids with anti-wear and extreme pressure additives. They are produced at one of the most up-to-date industrial facilities in the CIS, using high-quality raw materials.

### APPLICATION

The **OS-L, OS-Z** gearbox greases are used for greasing gearboxes, locomotive traction gearboxes, gearboxes of agricultural, road and con-

struction machinery, gearboxes of industrial equipment of metallurgical, mining and other facilities in winter and summer time respectively.

### BENEFITS

- Excellent anti-wear properties of the grease make it possible to considerably extend the service life of operated equipment.
- Having good protective properties, the grease securely protects contacting metal surfaces from corrosion.
- Excellent water-resistant property of the grease allows it to be used in open units.
- Due to the high adhesive ability, the grease forms a strong film on the contact surfaces, which helps to increase the lifespan of the greased parts.

**The product is manufactured as per TU 0254-001-655611488-2013.**

### STANDARD CHARACTERISTICS

PROPERTY	OS-L	OS-Z
Color	From dark brown to black	
Type of soap	Na	
Type of base oil	Petroleum	
Structure	Homogeneous oily liquid	
Specific viscosity, relative degrees at 100 °C	7-12	3-7
Ash content, %, or less	3.0	
Weight percentage of water, %, or less	0.5	
Corrosive effect on metals	Resistant	
Four-ball tribological properties:		
• Weld load, N, or more	1800	
• Critical load, N, or more	686	
• Load wear index, or more	343	
• Rate of wear with load of 392 N, 1 hour, mm, or less	0.7	
Weight percentage of mechanical impurities, %, or less	0.1	
Weight percentage of free alkali expressed in NaOH, %, or less	0.3	

The standard product characteristics are average values and do not constitute the manufacturer's specification. They can be subject to change in accordance with the requirements of INTESMO, LLC. Please contact the technical support team for any question related to the application and replacement of grease products manufactured by INTESMO, LLC.