

RSL-type Rail Lubrication System



RSL-type lubrication system is using two lubrication bars to supply the grease onto the gauge face and is equipped with a high-pressure pump. High pressure pump ensures reliable grease delivery even in the harshest climate conditions, eliminating the chance for lubrication channels to be clogged with dirt or snow. RSL-type system is also equipped with a progressive meter that allows for even flow of lubricant through each of twelve lubrication channels, thus allowing for even distribution of lubricant along the gauge face of the rail.

Available remote control & monitoring system allows to adjust the lubrication settings and receive technical reports from multiple RSL units in a centralized control center. Technical reports include lubricant level and battery charge as well as performance metrics: the number of wheel pairs passed and the number of times grease was applied to the gauge face.

Besides reducing wear on train wheels and tracks, lubrication also significantly reduces noise levels from passing trains which is especially important in urban areas.

Effective use of rail lubrication is essential to lowering the operating costs of a railroad. It significantly increases the lifespan of the tracks and train wheels and reduces fuel or energy consumption. Mashinostroitel Group is one of the world leaders in rail lubrication systems market. Considerable technological expertise and refined production techniques allow us to provide some of the most efficient and reliable lubrication solutions on the market.



Lubricant is delivered through twelve channels on each of the lubrication bars.



Control unit is equipped with an LCD screen.

RSL-type Stationary Rail Lubrication System

Technical specifications

Operating pressure	20 bars
Maximum pressure	400 bars
Quantity of lubricant in one ejection	0.8 cm ³ on each lubrication bar
Capacity of a lubricant tank	up to 50 kg
Operational temperatures	from -40°C to +40°C
Power supply	solar panel

Maintenance

RSL-type lubrication system is built for maximum convenience in maintenance. It features innovative lubricant storage system, where pump intakes lubricant directly from the manufacturer's packaging, allowing for significantly reduced service time and lower the chance of system clogging. Traditional lubricant storage tanks are also available. RSL-type lubrication system can be equipped with centralized control & monitoring system that allows to remotely modify lubrication settings and receive technical reports from multiple RSL units in a centralized control center or on a remote server. Technical reports include information about lubricant level, battery charge and operational reports.



Lubricant storage system that is used on RSL-type rail lubrication systems. Lubricant is taken directly from the manufacturer's packaging.