

Biodegradable Valve Lubricant & Seal

Description

MOLYSLIP VLS is an NLGI 1 biodegradable adhesive valve lubricant & sealant based on vegetable oil thickened with aluminium soap. The product has been specially developed for use in gate and plug valves operating in oilfield applications (exploration, pipelines, refining etc) but is also suitable for other petrochemical applications where similar equipment is employed.

MOLYSLIP VLS contains lubricating solids, tackiness additives and a corrosion inhibitor package designed to provide the excellent load carrying, adhesion and corrosion protection necessary for equipment used in hostile working environments where contamination by hydrocarbon fluids, salt water, steam or aggressive chemicals is likely to be encountered.

MOLYSLIP VLS can provide a degree of sealing when used in older or worn valve equipment also be used to provide effective lubrication and protection to slides, open gears, and plain bearings operating in similar environments.

Features and benefits

- Excellent adhesion and film strength at high & low temperature
- High load carrying and anti-wear properties
- Resistant to hydrocarbon fluids, salt water, steam, aggressive chemicals etc.
- Compatible with commonly encountered seal materials
- Good oxidation resistance
- Highly effective protection against corrosion
- Outstanding resistance to washout
- Provides a degree of sealing when used in older or worn valve equipment

Packaging

18kg

Technical data

VLS



Instructions for use

MOLYSLIP VLS should be used in accordance with the valve manufacturer's instructions and lubrication schedule.

MOLYSLIP VLS is designed to be injected into the valve body by means of a high pressure lubricator. For general use MOLYSLIP VLS can be applied manually or by using suitable application equipment e.g. grease gun, keg pump, automatic systems suitable for handling NLGI 1 greases.

MOLYSLIP VLS is compatible with other 'soap' thickened vegetable oil based greases, but for optimum performance equipment should be purged of previous lubricant and cleaned before introduction. It is not compatible with mineral oil based or powder thickened products.

Technical data (typical values)

Property	Test method	Result
Appearance	-	Smooth grey/black grease
Worked penetration	IP50	310-340
NLGI classification	-	1
Base oil viscosity	- -	Vegetable 30 Poise
Thickener	-	Aluminium soap
Solid lubricant	-	Graphite
Drop point	IP132	>+190°C
Operating temperature range	-	-20°C to +165°C (pumpable @ -20°C)

Storage

Store MOLYSLIP VLS out of direct sunlight.

Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.
Issue date 03-18

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