

TEROSON VR 500

Plastilube October 2013

PRODUCT DESCRIPTION

TEROSON VR 500 provides the following characteristics:

Technology	High Quality Grease
Base	Mineral Oils with Bentonite

TEROSON VR 500 is an organophillic, synthetic high quality grease based on super-refined mineral oils and devoid of metallic soap or fatty acid. TEROSON VR 500 exhibits the following characteristics:

Free of metallic soaps

Metallic soaps are not resistant against alkalis. Due to its good pH stability TEROSON VR 500 is resistant against soft alkalis and acids. TEROSON VR 500 is not corrosive.

Flow Behaviour

TEROSON VR 500 has a thixotropic flow behaviour. That means, the grease gets "more thin" and flows easier under kinetic energy. This reaction is reversible, so that the gel character is given immediately after ending the movement.

The synthetic thickener of TEROSON VR 500 is stable, it cannot be extruded from lubricating interface areas by sudden shock loads and extreme pressures. This extends lubricant service life and reduces maintenance frequency.

Wash out resistant

TEROSON VR 500 is water-insoluble and has an excellent wash out resistance.

General-purpose versatility

Due to its characteristics mentioned above TEROSON VR 500 can be used for many purposes. TEROSON VR 500 is digestible with every metal and most of the O-Ring materials.

APPLICATION AREAS

TEROSON VR 500 has proven advantageous as mounting paste against squeaking of drum and disc brakes. (Please watch instructions of car manufacturers!). Furthermore TEROSON VR 500 is particularly used for heavy duty applications, e.g. mill roll journals, high temperature valve stems, annealing furnace doors, conveyor systems etc. Other applications showing superior savings include machine guides, slides, bearings, enclosed gear boxes, pump compressors, etc. TEROSON VR 500 assures superior pumpability and work stability for long-life lubrication. Being free of entrained air, TEROSON VR 500 is excellent for use in central lubrication systems. TEROSON VR 500 is particularly advantageous because of its easy and convenient processing properties, whenever parts are not easily accessible for TEROSON VR 500 in the tube.

TECHNICAL DATA (Typical Test Results)

Colour	brownish
Odour	mild
Consistency	paste
Density	approx. 0.9 g/cm ³
Solids	approx. 9 %
Solids Aerosol	ca. 6 %
Penetration	265 to 295
Drop Point	none
In service temperature	-45 to 180 °C

PRELIMINARY STATEMENT

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Application

Before working with TEROSON VR 500, the aerosol tin has to be shaken well. On account of the sharpened tube at the spray head, TEROSON VR 500 can be sprayed precisely. The optimal distance between the spray head and lubricated part are a few centimetres. If the distance is larger, you will have to expect spraying off target. During work, the spray head has to face upwards. Otherwise there is the danger of just spraying propellant without active substance. Only parts provided by the machine manufacturers' instructions should be sprayed.

Application with Aerosol tin

Before working with TEROSON VR 500, the aerosol tin has to be shaken well. On account of the sharpened tube at the spray head, TEROSON VR 500 can be sprayed precisely. The optimal distance between the spray head and lubricated part are a few centimetres. If the distance is larger, you will have to expect spraying off target. During work, the spray head has to face upwards. Otherwise there is the danger of just spraying propellant without active substance. Only parts provided by the machine manufacturers' instructions should be sprayed.

Caution

TEROSON VR 500 can change his characteristics, if its compound with other lubricants.



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Finishing Treatment

TEROSON VR 500 can be wiped well with a scarf or fleece. Deposits can be completely removed with dissolver (e.g. TEROSON FL).

STORAGE

Frost sensitive	no
Recommended storage temperature	15 to 25 °C
Shelf life	24 months

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