

STARKRAFT POLARIS 25 PAO

Specifications and Recommendations:

- NLGI: 2
- DIN 51502:KPHC2N-50

Description and Application:

STARKRAFT POLARIS 25 PAO is a low-temperature high-tech lubricant with excellent performance characteristics. It is made on the basis of specially selected synthetic base oils (PAO) and lithium (Li) thickener and uses a highly effective additive package.

STARKRAFT POLARIS 25 PAO when operating in a wide temperature range and under extremely high operating conditions. Guarantees reliable start of the equipment and minimum workloads at operating temperatures up to -50°C. The lubricant perfectly protects the units from corrosion in high humidity working conditions. The high antioxidant properties and low volatility of synthetic PAO oil significantly increase the service life in closed systems. The low coefficient of friction, excellent scuffing load capacity and anti-wear properties provide unsurpassed protection for highly loaded components and allow for longer replacement intervals, as well as make it possible to significantly reduce maintenance and repair costs, especially in difficult operating conditions.

STARKRAFT POLARIS 25 PAO has a speed factor $n \cdot Dm \leq 1,000,000$ and is specially designed for lubrication of spindle bearings of machine tools, bearings of high-speed electric motors, fans, compressors and other equipment operating at high rotation speed in various load modes. The lubricant has excellent pumpability and, due to this, is suitable for Centralized Lubrication System even in the Arctic climate. It can be used for sliding guides, as well as a universal lubricant for components and assemblies of automobiles and industrial equipment, where the use of low-viscosity synthetic lubricants of the appropriate NLGI consistency is prescribed.

Advantages:

- Low oxidation and evaporation rate of synthetic base oil.
- Provides reliable lubrication of components and assemblies in a wide operating temperature range from -50°C to 140°C.
- Very low coefficient of friction.



- The highest anti-wear properties and scuffing load capacity.
- It allows you to increase service intervals and reduce repair and maintenance costs.
- Excellent protection against wear and jamming.
- Excellent adhesion to metals guarantees a heavy-duty protective film.
- Excellent water resistance and water washout resistance.
- Guarantees reliable protection against corrosion.
- It retains its properties over a wide range of temperatures and loads.

Typical characteristics OF STARKRAFT POLARIS 25 PAO

Indicators	STARKRAFT POLARIS 25 PAO	Method
Consistency class per NLGI	2	DIN 51818
Thickener	Lithium	
Type of base oil	Synthetic (PAO)	
Appearance of the lubricant, the color	Light brown	Visually
Operating temperature range, °C	-50+140	
Classification of lubricants	KPHC2N-50	DIN 51502
Penetration of 0.1 mm	265-295	DIN 51818
Drop point °C, not lower	180	DIN ISO 2176
Viscosity of the base oil mm ² /s at 40°C	25	DIN 51562
Welding load, N	2200	DIN 51350

The above physical and chemical characteristics are for reference and are not necessary specifications for production and sale. Due to the continuous research and improvement of the product, the information contained here is subject to change without prior notice.

