
MAXIGRAS 49 WR

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DESCRIPTION:

Semi-synthetic, pseudo-plastic, high viscosity and adherence lubricant, providing excellent elastohydrodynamic lubrication.

MAXIGRAS 49 CABLE is specially designed for the lubrication of wire ropes, with and without a textile core. Its adherence multiplies on increasing the extreme pressure load that the cable fibers are subjected to when the cable are at his maximum load, particularly in the steps involving sheaving and severe twisting. It ensures the optimum lubrication of the cables, even in the most demanding working conditions. Moreover it allows centralised greasing systems, enhancing the use of the product.

APPLICATIONS:

- ✓ Impregnation of steel cables during its manufacture.
- ✓ Cables of mining and construction equipment.
- ✓ Hoists, elevators and lifts cables.
- ✓ Cables of port cranes and ship decks.
- ✓ Rollers, pulleys and guide cranes, mechanisms under extreme pressure, low speed and swinging loads in extreme conditions, in the presence of contaminants.
- ✓ Mechanisms working in marine and port machinery, where high resistance to water washout and salt fog is required.
- ✓ Mechanical elements in mining, quarries, construction machinery, where the presence of water and other contaminants is usual.
- ✓ Open gears under great pressure and sliding loads, ring gears, rack gears, locks installations ...
- ✓ Lubricating mechanisms under extreme pressure, low speed and oscillating loads in extreme situations, in the presence of contaminants.
- ✓ Due to its special adhesion and stickiness, it's especially recommended for using in all kinds of chains of medium-large size in heavy duty as well as pinion-crown gears and naked transmissions by manual or spalsh feed lubrication.
- ✓ Also recommended for the lubrication of all kinds of links, especially for gear couplings (for curved teeth) subjected to extreme loads even at extreme speeds.

ADVANTAGES & BENEFITS

- ✓ The solid additives used in the formulation of the product fill the micro-spaces between the cable fibers and in the pulley wheels, thereby preventing direct metal to metal contact, creating a laminar lubrication which reduces the load per square centimeter, and minimising wear to the metal surfaces and the breakage of fibers. These solid additives react to the traction of the cable, actively reacting to the materials of the lubricated surfaces, thus reducing the wear to the same, even in conditions of insufficient lubrication.
- ✓ It prolongs service life of mechanisms, further reducing maintenance costs by re-lubrication.
- ✓ Excellent resistance to corrosión of the cable, internally and externally, in extreme situations of humid and salty environments.
- ✓ It forms an outer film that repels water and prevents the entry of external contaminants (such as abrasive particles), preventing premature failure of cables
- ✓ Proven resistance in relation to acid attacks and acidic environments, and resistance to wash out with water.
- ✓ Excellent anti-wear and extreme pressure capacity. It provides maximum protection in situations of extreme load.
- ✓ Working temperature: -20°C to +150°C (-4°F to +302°F).

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SPECIFICATIONS

CLASSIFICATION / GRADE	NLGI 1
DIN 51502	OGPF1N-20
ISO 6743/9	ISO-L-XBDIB-1



Vibrations



Heavy loads



Water
Resistant



High
Temperature



**BLACK
COLOUR**

TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Colour	Visual	Black
Base oil, (viscosity ISO grade)	ISO 3448	680
NLGI Grade	DIN 51818	1
Dropping point °C (°F)	ASTM D-566	> 200 (392)
Emcor Corrosion	DIN 51802	0 / 0
Corrosion protection	ASTM D-1743	Pasa
4-ball EP test: Welding load, kg	IP-239	≥ 400

Note : These data represent average values after different tests. Given the wide variety of operating conditions, they do not constitute a basis for specifications. Olipes SL reserves the right to modify the indicated data without prior notice.

HOW TO USE:

MAXIGRAS 49 WR grease can be applied using a grease pump, brush or spatula. It can also be pumped using automatic systems in accordance with the manufacturer's instructions.

MAXIGRAS 49 WR is compatible with any grease of the same base (thickener and oil). In the event of doubt please contact our technical department.

PACKAGING:

5L bucket, 20L pail and 200L drum.