

## MAXIGRAS COMPLEX Li-EP

Pg. 1 of 2

### DESCRIPTION:

Lithium Complex grease for high temperature applications. Especially designed to reduce the relubrication frequencies up to 80% compared with conventional lithium greases.

### PROPERTIES:

- It ensures economic maintenance by cost cutting due to mechanical or lubrication interventions.
- High protection and duration in service, even in very aggressive environments.
- Working temperature from -30 °C (-22 °F) to +160 °C (+320 °F), with peaks of +180 °C (+356 °F) in static or low speed.
- Greater wear and tear protection, excellent Extreme Pressure capacity (EP).
- The technology of the complex thickener allows the grease adhered to the rolling elements to remain fluid, whilst the rest forms a protective "screen" preventing the action of external contaminants (dust, humidity, etc.).
- Its advanced formulation also prevents the hardening which conventional greases suffer.
- Oxidation resistant, shear stable, corrosion and wear protection.
- Stable to vibration and mechanical work, even in the presence of water contamination.

### APPLICATIONS:

- Transport vehicles (Fleets, Construction, Mining...) thanks to its excellent performance in wheel bushing, electric brakes..., which allows over 100,000 km without regreasing.
- Mechanical elements which work at high temperatures.
- Journal and antifriction bearings.
- Electric and fan motors that work at medium to high revolutions.
- Cams, guides and slow sliding elements which require great adherence at a high temperature.

### SPECIFICATIONS:

CLASSIFICATION	NLGI 2/3
DIN 51502	KP2P -30 KP3P-30
ISO 6743/9	L-XCEHB-2/3
NEW HOLLAND	NH 710A
NLGI	GC-LB
JOHN DEERE	J13C3 / J25C



Vibrations



High Temp.



Heavy loads



BLUE COLOR

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### TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Consistency (NLGI grade)	DIN 51818	2 / 3
Thickener		Lithium Complex
Color	Visual	Blue
Base oil (ISO viscosity grade)	ISO 3448	220
Dropping point, °C (°F)	ASTM D-2265	≥ 260 (500)
Corrosion to copper, 100 °C, 24h, max	ASTM D-4048	1a
Water resistance, 3h, 90 °C (Grade)	DIN 51807	1
4-ball EP test, welding (kg)	IP-239	250
4-ball Wear test, scar (mm)	ASTM D-2266	< 0.6
Loss of penetration: After 10 <sup>5</sup> strokes, 25 °C, (77 °F), points	ASTM D-217	≤ +25
Flow pressure at low temperature at -30 °C, mbar	DIN 51805	1200

*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 COMPLEX Li-EP can be applied by manual pump, brush or spatula. It can also be pumped through automated systems, in consultation with the manufacturer.

MAXIGRAS COMPLEX Li-EP is compatible with any grease with the same base (thickener and oil). If in doubt please contact our technical department.

### PACKAGING:

400g cartridge, 1L tin, 5L bucket, 20L pail, 50L & 200L drums.

*"Packaging"* refers to the standard capacities of the packages. The net quantity of packed product may vary according to the type of grease and the raw material used, and it is recorded on each batch of packaging.