



APSA GREASE COMPLEX EP

Complex grease for high temperature applications. Specially designed to reduce relubrication frequencies up to 80% compared to conventional lithic greases.

Properties

It ensures economic maintenance by reducing costs by mechanical or lubrication interventions.

High protection and service life, even in very aggressive environments.

Service temperature from -30°C to + 160°C (-22°F to + 320°F), with points of + 180°C (+ 356°F) (in static or low revolutions).

Superior anti-wear protection, excellent capacity Extreme Pressure (EP).

The complex thickener technology allows the grease adhered to the rolling elements to remain fluid, while the rest forms a protective "screen" preventing the action of external contaminants (dust, humidity, etc.).

Its advanced formulation also prevents hardening suffered by conventional greases.

Resistant to oxidation, stable to shear, anti-corrosive and anti-wear protection.

Stable against mechanical work and vibrations, even in the presence of water contamination.

Applications

Transport vehicles (Fleet, Public Works, Mining ...) for its excellent performance in wheel hubs, electric brakes ..., which allows more than 100,000 km without regreasing.

Mechanical elements operating at high temperature.

Flat bearings and antifriction.

Cams, guides and slow sliding elements that require high adhesion at high temperature.



Specifications/Technical Data

CLASSIFICATION / GRADE	NLGI 2/3
DIN 51502	KP2P-30 KP3P-30
ISO 6743/9	L-XCEHB-2/3
NEW HOLLAND	NH 710 ^a
NLGI	GC-LB
JOHN DEERE	J13C3/J25

Technical Data

Physicochemical Characteristics	Standard	Value
Consistency (NLGI Grade)	DIN 51818	2/3
Thickener		Complex organic thickener
Color	Visual	Blue
Viscosity grade (ISO viscosity grade)	ISO 3448	220
Dropping point °C (°F)	ASTM D-2265	≥285 (545)
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)	ASTM D-2596	≥400
4-ball wear test, scar (mm)	ASTM D-2266	<0,50
Loss of penetration: After 105 hits, 25°C (77°F) points	ASTM D-217	≤+15
Loss of penetrati3n: After 105 hits, 25°C (77°F) with 10% water, points	ASTM D-217	≤+19

Indicaciones de uso

La grasa APSA GREASE COMPLEX EP puede ser aplicada mediante bomba de engrase, pincel o espátula. También puede ser bombeada a través de sistemas automáticos, previa consulta con el fabricante.

APSA GREASE COMPLEX EP es compatible con cualquier grasa de igual base (espesante y aceite). En caso de duda consulte con nuestro departamento técnico.

How to use

The grease APSA GREASE COMPLEX EP can be applied by grease pump, brush or spatula. It can also be pumped through automatic systems, after consultation with the manufacturer.

Grease APSA GREASE COMPLEX EP is compatible with any grease of the same base (thickener and oil). In case of doubt consult with our technical department.

These data represent average values after different tests. Given the wide variety of operating conditions, they do not represent a basis for specific specifications.

