



Novatex[®] Greases

High performance multipurpose EP calcium/lithium-calcium greases

Product description

The Novatex line of high performance multipurpose EP greases are highly adhesive, water wash out resistant and provide optimum performance in severe conditions, providing EP wear protection, corrosion and oxidation resistance across a wide temperature range.

These versatile lubricants offer a choice of soap types designed to widen application options and allow use across a wide variety of lubrication needs. Novatex greases provide reliable performance in marine, construction and heavy industries, optimising protection, while minimising inventory costs.

Customer benefits

- Versatile range of multipurpose pumpable EP greases, deliver protection and reduce inventory costs
- EP wear protection plus choice of soap types widens application options and optimises wear protection
- Water wash out resistance and high adhesion protects against rust and corrosion, reducing maintenance
- Oxidation resistance ensures high temperature protection and increases grease service life

Product highlights

- **Approved by Hoesch Rothe Erde for seal use, recommended for Komatsu and many more**
- **Choice of soap types designed to widen application options and save money**
- **Highly water wash out, wear, corrosion and oxidation resistant**

Applications

- Novatex EP is recommended for the lubrication of plain and roller bearings in steel and paper mill equipment, which operate at temperatures up to +120°C. Novatex EP is also recommended for other industrial applications where an extreme pressure grease with excellent heavy water-washing resistance is required
- Novatex Heavy EP 0, Heavy EP 2 and HD 2 are recommended for the lubrication of heavily loaded plain- and roller bearings at normal temperatures and limited speeds, such as lubricating water pumps, chassis and is also recommended for the lubrication of the propeller shafts of outboard engines and submerged bridge parts
- Novatex Heavy M EP 2 is recommended for the lubrication of plain bearings i.e. pins and bushings on excavators and similar construction vehicles and is an equivalent to ETG 08663, a special Moly grease developed for Komatsu, base oil viscosity 460 mm²/s.

- Novatex HD 2 is also recommended for centralised lubrication systems of Back Hoe Dredgers such as 'Rocky,' and Komatsu excavators

Approvals, performance and recommendations

Approvals

- Novatex EP 2 is approved by Hoesch Rothe Erde for use with the following seals up to +70°C: POM, HDPE, Perbunan and Viton and all plastic parts used by Hoesch Rothe Erde. Perbunan and Viton seals have been tested for 168 hours at +70°C, the distance keepers (POM, HDPE) 24 weeks at +70°C.

Typical test data				
Test	Test methods	Results		
Viscosity Grade		EP 2	Heavy EP 0	Heavy EP 2
Color	Visual	Dark brown	Yellow-brown	Yellow-brown
Soap Type	-	Calcium anhydrous		
Soap content, %	Calculated	7	-	-
Density at 15°C, kg/l	DIN 51 757	-	0.89	0.94
Worked penetration, 60x, mm/10	ISO 2137	272	-	280
Dropping point, °C	ISO 2176	145	>120	145
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	260	1300	1300
Base oil viscosity at 100°C, mm ² /s	DIN 51 562	17	Min 106	Min 106
Copper Corrosion 24hrs/100°C	DIN 51 811	-	1	1
Copper Corrosion 24hrs at 120°C	DIN 51 811	1	-	3
SKF R2F, Test B (120°C)	FormerDIN 51 806	-	-	Pass

Novatex® Greases — Continued

		Heavy M EP 2	HD 2
Viscosity Grade		Heavy M EP 2	HD 2
Color	Visual	Grey-black, smooth	Brown
Soap Type-	-	Calcium Anhydrous	Lithium/calcium
Soap content, %	Calculated	-	-
Density at 15°C, kg/l	DIN 51 757	0.94	0.94
Worked penetration, 60x, mm/10	ISO 2137	265-295	265-295
Dropping point, °C	ISO 2176	145	>180
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	1300	1000
Base oil viscosity at 100°C, mm ² /s	DIN 51 562	Min 106	48
Copper Corrosion 24hrs/100°C	DIN 51 811	1	1
Copper Corrosion 24hrs at 120°C	DIN 51 811	3	-
SKF R2F, Test B (120°C)	FormerDIN 51 806	Pass	-

	DIN 51 502	ISO 6743-09	Operating temperature
Novatex EP 2	KP 2 K-30	ISO-L-CCEB2	-30 up to 120°C

	DIN 51 502	ISO 6743-09	Operating temperature
Novatex Heavy EP 0	KP 0 F-30	ISO-L-XCBFB0	-30°C up to 90°C short period up to 100°C
Novatex Heavy EP 2	KP 2 K-30	ISO-L-XCCHB2	-30°C up to 120°C

	DIN 51 502	ISO 6743-09	Operating temperature
Novatex Heavy M EP 2	KPF 2 K-30	ISO-L-XCCHB2	-30 up to 120°C

	DIN 51 502	ISO 6743-09	Operating temperature
Novatex HD 2	KP 2 K-20	ISO-L-XBCIB2	-20°C up to 130°C short period up to 140°C

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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