



Product Information: K41EP, K42EP, K43EP GREASES

Description:

K41EP to K43EP are premium quality multipurpose greases for use in all anti-friction and plain bearings subjected to high shock load and vibration conditions. They are used extensively for applications throughout industry and the automotive sector.

Features:

- Excellent extreme pressure and anti-wear performance.
- High degree of corrosion protection.
- Multi-purpose grease particularly for heavy duty applications.

Applications:

This range of Lithium greases is highly recommended for all automotive use where a multipurpose grease is required for wheel bearings and chassis lubrication. All these greases are particularly suited for the lubrication of construction and mining equipment such as bulldozers, scrapers, loading shovel and all off highway trucks where greased components are subjected to continuous heavy loads and shock loads.

These greases can be applied by gun or used in centralised systems, capable of pumping the appropriate NGLI grade.

The preferred recommendation for heavy duty applications in trucks, coaches and buses would be K2EP.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the manufacturer.

Performance Level:

DIN 51502 KP1N-20, KP2N-20, KP3N-20
ISO 6743-9 L-XBDHB1, L-XBDHB2, L-XBDHB1

Physical Characteristics:

| Product | K41EP | K42EP | K43EP |
|----------------------------------|------------|-----------------------------|------------|
| NLGI Consistency | 1 | 2 | 3 |
| Appearance | ← | Brown | → |
| Thickener | ← | Lithium | → |
| Base Oil | ← | Solvent refined mineral oil | → |
| Base Oil Viscosity @ 40 °C (cSt) | ← | 180 | → |
| Worked Penetration | 310 to 340 | 265 to 295 | 220 to 250 |
| Dropping Point (°C) | ← | 185 | → |
| Oil Separation (%) | 7 max | 5 max | 3 max |
| Copper Corrosion | ← | Pass | → |

Continued....





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|---|--------|-------------|--------|
| Resistance to Corrosion EMCOR | ←————— | 0:0 | —————→ |
| Water Washout @ 38°C (%) | 5 | 3 | 3 |
| Four Ball Weld Load (Kgs) | ←————— | 315 | —————→ |
| Timken OK load (lbs) | ←————— | 50 | —————→ |
| Oxidation Stability 100°C Pressure drop (psi) | 4 | 4 | 4 |
| Operating Temperature Range (°C) | ←————— | -20 to +140 | —————→ |

Part No.s: KFO050, KFO075, KFO180

Part No.s: KFT400, KFT050, KFT075, KFT180, KFT500, KFT003

Part No.s: KEP075, KEP050, KEP180, KEP400, KEPO003

(TDS K1EP, K42EP, K43EP – 231015 Issue 7)

