# Product information
**Nr. 641.5**

# Extreme Pressure Greases EP - series

**KAJO-Extreme Pressure GreasesEP – series** are based on high-class base oils, using lithium soaps as thickener (Li-12-hydroxy stearate). Due to this, they have an outstanding work resistance. Furthermore, **KAJO-Extreme Pressure Greases EP –series** contain additives to improve the rust and corrosion protection behaviour.

***Practical advantage:***

Lubricants for universal use in industry and the field of motor vehicles. With only a few exceptions, **KAJO-Extreme Pressure Greases EP – series** are very suitable for most applications. They are used in friction and roller bearings at grease lubricating points in motor vehicles, equipment, machines, conveyors, construction machines, etc.

**KAJO-Extreme Pressure Grease EP 1** is tried and tested in VOGL-central lubricating systems.

***Ratings:***

| **Characteristics** | **EP 1** | **EP 2** | **EP 3** | **Unit** | **DIN / ISO** |
|---|---|---|---|---|---|
| Nature | Soft,<br>very smooth | Soft,<br>very smooth | Tighter,<br>very smooth | | |
| Colour | natural-coloured | natural-coloured | natural-coloured | | |
| Thickener | Li-soap | Li-soap | Li-soap | | |
| Dropping point | > 180 | > 180 | > 180 | ° C | DIN ISO 2176 |
| Worked penetration | 310 – 340 | 265 – 295 | 220-250 | 0.1 mm | DIN ISO 2137 |
| Penetration after prolonged working*:<br>- 100.000 double strokes<br>- 500.000 double strokes<br>- 1.000.000 double strokes | <br>335<br>368<br>390 | <br>288<br>295<br>300 | <br>235<br>248<br>265 | <br>1/10 mm<br>1/10 mm<br>1/10 mm | DIN ISO 2137 |
| NLGI-class | 1 | 2 | 3 | | DIN 51 818 |
| Behaviour against water<br>5 h / + 90° C | 0/1 – 90 | 0/1 – 90 | 0/1 – 90 | | DIN 51 807-1 |
| Emcor test<br>Corrosion degree | 1 | 1 | 1 | Evaluation<br>Grade | DIN 51 802 |
| Copper corrosion:<br>120° C / 3 h | 1B | 1B | 1B | | DIN 51 811 |
| Oil separation at 40° C:<br>18 h<br>7 d | <br>0.50<br>2.40 | <br>0.45<br>1.60 | <br>0.25<br>0.90 | <br>%<br>% | DIN 51 817 |
| Test in Shell VKA:<br>Good load:<br>Weld load: | <br>2000<br>2200 | <br>2400<br>2600 | <br>2000<br>2200 | <br>N<br>N | DIN 51 530 |
| Ignition residue as<br>oxide ash | 1.2 | 1.2 | 1.2 | Weight-% | EN IO 6245 |
| Operation temperature<br>Short-term | -30 up to + 120<br>up to + 130 | -30 up to + 120<br>Up to +130 | -30 up to + 120<br>up to + 130 | ° C<br>° C | |
| Identification | KP 1 k-30 | KP 2 k-30 | KP 3 k-30 | | DIN 51 502 |

* average values

**Revised: 08.06.2010 / B.L./T.**

All ratings are average values and are subject to production-related variations.

**D-59609 Anröchte • Boschstr. 13 • Telefon: (02947) 881-0 • FAX: (02947) 881-50 •**
**email: Schmierstoffe@KAJO.de • Internet: www.KAJO.de**