



## ELKALUB Ester oils SERIES LFC 4000

### 1. CLP-oils based on ester oil for a temperature range from -35° C up to +140° C (-40° C up to +130° C)

| Product         | ISO VG | Viscosity<br>at 25° C<br><br>(mm <sup>2</sup> /s) | Viscosity<br>at 40° C<br><br>(mm <sup>2</sup> /s) | Viscosity<br>à 100°C<br><br>(mm <sup>2</sup> /s) | SHELL 4 ball tester<br>operating load/<br>welding load<br>DIN 51 350 |
|-----------------|--------|---|---|--|--|
| <b>LFC 4032</b> | 32     | 61,3  | 32,1  | 6,1  | 1800/2000 N  |
| <b>LFC 4046</b> | 46     | 89,1  | 44,2  | 7,1  | 1800/2000 N  |
| <b>LFC 4068</b> | 68     | 147,8   | 66,2  | 8,7  | 1800/2000 N  |
| <b>LFC 4100</b> | 100    | 250   | 105   | 11,2   | 1800/2000 N  |
| <b>LFC 4150</b> | 150    | 410,6   | 164   | 14   | 1800/2000 N  |
| <b>LFC 4220</b> | 220    | 593,9   | 216   | 16,3   | 2000/2200 N  |
| <b>LFC 4320</b> | 320    | 893   | 318   | 21   | 2000/2200 N  |

**Note:** Under normal operating conditions and practically also under higher temperatures, the oils of the series LFC 4000 do not form any residues. Coats of paint in the interior of oil tanks should be avoided as we can not exclude that these could be dissolved. The oils of the series LFC 4000 are compatible with most of the commercially available mineral oils. However, the old oil should be discharged and new seals of Viton should be installed in order to guarantee a completely successful operation. In case of doubt, please ask us.

These data are issued in good faith and reflect our knowledge of today. We reserve the right to modify and/or supplement them.

### 2. Oils for hydraulic systems (HLP) based on ester oil for a temperature range from -40° C up to +130° C

| Product         | ISO VG | Viscosity<br>at 25° C<br><br>(mm <sup>2</sup> /s) | Viscosity<br>at 40° C<br><br>(mm <sup>2</sup> /s) | Viscosity<br>at 100°C<br><br>(mm <sup>2</sup> /s) | SHELL 4 ball tester<br>operating load/<br>welding load<br>DIN 51 350 |
|-----------------|--------|---|---|---|--|
| <b>LFC 4032</b> | 32     | 61,3  | 32,1  | 6,1   | 1800/2000 N  |
| <b>LFC 4046</b> | 46     | 89,1  | 44,2  | 7,1   | 1800/2000 N  |
| <b>LFC 4068</b> | 68     | 147,8   | 66,2  | 8,7   | 1800/2000 N  |

Vöhringen, 07.01.98