# R&O HYDRAULIC FLUID

SERIES

**CHAMPION R&O HYDRAULIC FLUID** series includes our general purpose lubricants made from quality low sulfur base stocks and designed for use wherever a general an R&O industrial lubricant is specified. They are a cost effective alternative to full synthetic biodegradable R&O fluids.

**CHAMPION R&O HYDRAULIC FLUID** series lubricants are zinc-free. These reduced environmental impact lubricants are inherently biodegradable by OECD 203 1-12 Test Method and low in toxicity. They perform well in both aqueous acute toxicity tests and "ultimate" biodegradability tests.

**TYPICAL SPECIFICATION**

| **ISO Grade** | **22** | **32** | **46** | **68** | **100** |
|---|---|---|---|---|---|
| **Product Code** | **4017** | **4018** | **4019** | **4192** | **4211** |
| MSDS # | 1200 | 1200 | 1200 | 1200 | 1200 |
| Color | Straw | Straw | Straw | Amber | Amber |
| Gravity API @ 60° F | 30.0 | 30.0 | 29.5 | 29.5 | 29.2 |
| cSt @ 40°C | 22 | 32 | 46 | 68 | 100 |
| cSt @ 100°C | 4.2 | 5.2 | 6.5 | 8.2 | 10.6 |
| SUS @ 104°F | 106 | 151 | 214 | 316 | 464 |
| SUS @ 212°F | 40 | 43 | 48 | 53 | 61 |
| Viscosity Index | 88 | 88 | 88 | 86 | 85 |
| Pour Point ° F | 0 | 3 | 5 | 7 | 9 |
| Flash Point ° F | 420 | 420 | 460 | 460 | 500 |
| % Biodegradability in 28 days OECD 301B | 22 | 22 | 22 | 22 | 22 |
| 96-Hour Toxicity, Aquatic, OECD 203 1-12 LC50 (Rainbow Trout), ppm | Nontoxic | Nontoxic | Nontoxic | Nontoxic | Nontoxic |

Call Our Friendly Sales Representatives for Available Package Sizes

**4017 4018 4019 4192 4211**

**EFFECTIVE 11/08**

**CHAMPION BRANDS, L.L.C. • 1001 Golden Drive • Clinton, MO 64735**
**ORDER DESK 800-821-5693**