



# S-OIL HYDRO SUPER

## MULTI PURPOSE ANTI-WEAR HYDRAULIC FLUID

### Product Description

HYDRO SUPER is excellent anti-wear hydraulic fluid under high pressure and high temperature conditions. It is formulated from S-OIL's aramcoULTRA base stocks and advanced anti-wear and anti-oxidant additive system.

### Applications

- Industrial hydraulic system: Suitable for a wide range of hydraulic power applications
- Marine hydraulic system
- Any application where an anti-wear and high-performance oil is necessary

### Features and Potential Benefits

- Excellent anti-wear properties ensuring protection of machine parts
- Great lubricity at high temperature thanks to base stock's high viscosity index
- Prevents formation of deposits in the circuit thanks to remarkable thermal stability: cleaner circuits and less clogging of the filters
- Low pour point helps to reduce friction during operation at low temperature
- Reduced maintenance costs

### Performance Level

- Bosch Rexroth RDE 90235
- ISO 11158 (HM/HV)
- SAE MS 1004 (HM/HV)
- GM LS-2
- DIN 51524-2/3 (HM/HV)
- Parker HF-0/1/2 (HM/HV)
- AIST 126/127
- GB 1111.8 (L-HL/HM/HV/HS)
- Eaton E-FDGN-TB002-E
- JCMAS P041 HK
- Fives P68/69/70 (HM/HV)
- ASTM D6158 (HM/HV)

### Typical Properties

| Test Items                     | Method     | Unit     | 32     | 46     | 68     |      |
|--------------------------------|------------|----------|--------|--------|--------|------|
| Density                        | ASTM D4052 | -        | 0.843  | 0.848  | 0.862  |      |
| Color                          | ASTM D1500 | -        | L0.5   | L0.5   | L0.5   |      |
| Viscosity                      | ASTM D445  | 40°C     | cSt    | 33.0   | 45.4   | 68.0 |
|                                |            | 100°C    | cSt    | 6.07   | 7.53   | 9.41 |
| Viscosity Index                | ASTM D2270 | -        | 133    | 132    | 117    |      |
| Flash Point                    | ASTM D92   | °C       | 248    | 258    | 262    |      |
| Pour Point                     | ASTM D97   | °C       | -33    | -27    | -27    |      |
| Demulsibility                  | ASTM D1401 | Min      | 5      | 6      | 8      |      |
| Copper Corrosion (100°C, 3hrs) | ASTM D130  | -        | 1a     | 1a     | 1a     |      |
| Foam Tendency                  | ASTM D892  | Seq. I   | ml/ml  | 10/0   | 10/0   | 20/0 |
|                                |            | Seq. II  | ml/ml  | 20/0   | 20/0   | 20/0 |
|                                |            | Seq. III | ml/ml  | 10/0   | 20/0   | 30/0 |
| Rust Prevention (60°C, 24hrs)  | ASTM D665B | -        | Pass   | Pass   | Pass   |      |
| TOST Life                      | ASTM D943  | hrs      | >3,000 | >3,000 | >3,000 |      |

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This lubricant used recommended and for the application for which it has been designed does not present any particular risk.  
A material safety data sheet is obtainable via your commercial adviser.