# VAPRO HYDRO AW 46

## INDUSTRIAL HYDRAULIC FLUID

### DESCRIPTION

**VAPRO HYDRO AW 46** fluids are high performance hydraulic fluids with unique technology to provide outstanding protections and performances in most manufacturing industries and many mobile equipment operations. **VAPRO HYDRO AW 46** has outstanding resistant to breakdown under heat or mechanical stress and help to prevent damaging deposit formation that can decrease the efficiency of your hydraulic systems.

### APPLICATION

- Hydraulic power applications widely used in manufacturing and industrial environments.
- Mobile hydraulic fluid power Transmission systems.
- Marine hydraulic systems.

### PERFORMANCE FEATURES AND BENEFITS

- ***Outstanding oxidation and thermal stability***
  Selected additives incorporated to keep the lubricants thermally stable and robust enough to ensure that it lasts longer, protects better and performs more efficiently.
- ***Outstanding wear protection***
  Proven selected zinc based anti-wear additives has been incorporated to be effective throughout the range of operating conditions, including low load and severe duty high load conditions.
- ***Maintaining system efficiency***
  **VAPRO HYDRO AW 46** has superior cleanliness, excellent filterability and high performance water separation, air release and good anti foam characteristics help to maintaining and enhancing the efficiency of hydraulic system.

### SPECIFICATIONS AND APPOROVALS

- Parker Denison HF-0
- Eaton Brochure 03-401-2010
- DIN 51524 PART 2 & 3
- MAG IAS P-68, P-69, P-70
- U.S. Steel 127
- U.S. Steel 136
- Bosch Rexroth RD90220
- SAE MS1004

### TYPICAL PHYSICAL CHARACTERISTICS

| VAPRO HYDRO AW | Method | 46 |
|---|---|---|
| Density @ 15°C kg/l | ASTM D 1298 | **0.86** |
| Kinematic viscosity<br>@ 40°C cSt<br>@ 100°C cSt | ASTM D 445 | <br>**46**<br>**6.7** |
| Viscosity Index | ASTM D 2270 | **98** |
| Flash Point °C | ASTM D 92 | **220** |
| Pour Point °C | ASTM D 97 | **-30** |

These characteristics are typical of current production. Whilst future production will conform to Vapro's specification, variations in these characteristics may occur.