

PRODUCT DATA SHEET



CIRCULATION AND HYDRAULIC OILS (AW)

PHYDOL AW - 32, 46, 68, 100, 150, 220, 320, 460

These are premium quality high performance oils, designed to satisfy the performance requirements for a wide range of hydraulic components in systems subjected to high-pressure, high-temperature operating conditions. They have good film strength property, inherent oxidation and thermal stability, besides excellent ability to separate from water and have very good air release properties. They offer high resistance to the formation of lacquers and other oxidation products and resistance to rusting and corrosion in high humidity operations or where low levels of moisture are unavoidable.

These oils are formulated with high quality base stocks and carefully selected additive system that result in finished products to provide many desirable features, to work with systems operating under moderate to severe conditions where a high level of anti-wear protection is required.

Recommended for hydraulic system, systems employing gear, bearings, vane, radial and axial piston pumps, chain drivers, compressors, vacuum pumps, mining machinery machine tools, circulation oiling system etc. where anti-wear type hydraulic oils are recommended.

PERFORMANCE LEVEL: IS 10522-1983 (Reaffirmed 1993), US Steel No.127, Vickers V-104C vane pump test and IPSS 1-09-022 specifications.

| CHARACTERISTICS | | | | | | | | | |
|-----------------|--------------------------------------|----------------|-------|-------|--------|---------|---------|---------|---------|
| S. NO. | PROPERTIES | PHYDOL AW | | | | | | | |
| | | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 |
| 1. | Kinematic Viscosity, cSt @40°C | 29-35 | 42-50 | 64-72 | 90-110 | 140-160 | 200-240 | 300-340 | 440-480 |
| 2. | Viscosity Index, min. | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 3. | Flash Point, COC, °C, min. | 180 | 180 | 180 | 180 | 180 | 220 | 220 | 220 |
| 4. | Pour Point, °C, max. | -6 | -6 | -6 | -3 | -3 | -3 | -3 | -3 |
| 5. | Rust Properties (ASTM D665, 24/hrs.) | -----Pass----- | | | | | | | |
| 6. | Zinc % wt (ICP Emission) | 0.035 – 0.043 | | | | | | | |
| 7. | Phosphorus, % wt. (ICP Emission) | 0.028 – 0.033 | | | | | | | |

* The specifications are subject to variations/ development / customization.

PACKING: 210L, 50L, 20L, 5L

PACKING: PHYDOL AW 68: 210L, 50L, 20L, 5L, 1L