



eni HYDRAULIC AW

eni HYDRAULIC AW lubricants are superior quality anti-wear hydraulic oils for use in circulation systems and in hydraulic circuits. They are obtained from selected paraffinic base stocks and treated with anti-wear, anti-oxidant and anti-rust additives.

They are available in many grades, which cover a very broad range of viscosity and are therefore able to meet all requirements of practical interest.

CHARACTERISTICS (TYPICAL VALUES)

HYDRAULIC AW		32	46	68	100
Viscosity at 40°C	mm ² /s	31.0	47,54	66.71	100.56
Viscosity at 100°C	mm ² /s	5.5	7.74	9.26	12.08
Viscosity Index, Min.	-	116	131	116	111
Flash Point COC, Min.	°C	222	226	230	252
Pour Point, Max.	°C	-15	-12	-12	- 12
Rust Test, (D-665 A&B, 24 hrs.		PASS	PASS	PASS	PASS

PROPERTIES AND PERFORMANCE

- eni HYDRAULIC AW oils provide good wear protection thereby prolonging service life of moving parts.
- All grades have good oxidation stability.
- eni HYDRAULIC AW oils possess high film strength, which helps in minimizing friction and wear.
- High viscosity Index to restrict viscosity changes under operating conditions.
- eni HYDRAULIC AW oils possess good water-separating ability and do not form stable emulsions, which can result in loss of lubricating power.
- eni HYDRAULIC AW oils have outstanding antifoam properties and capacity to release entrained air rapidly to ensure excellent incompressibility. This property, which is required by hydraulic fluids, prevents any pumping and circulation troubles, and reduces the rate of thermal and oxidation alteration.
- All grades possess good antirust properties.
- The oils are compatible with the most common elastomers used with mineral oils (they do not cause swelling and/or marked variations in hardness).

APPLICATIONS

eni HYDRAULIC AW oils are recommended for use in Hydraulic systems, Enclosed gear boxes, chain drives, compressors, vacuum pumps, mining machinery, machine tools, hydraulic and circulation system of enclosed gear boxes which do not require EP type lubricants.

SPECIFICATIONS

eni HYDRAULIC AW oils meet the requirements of the following specifications:
 - IS 10522 – 1983 (REAFFIRMED 1993)