



eni ARNICA AS

eni ARNICA AS is a hydraulic oil blended with synthetic technology high performance base oil and special ashless additives, for use in hydraulic systems requiring fluids possessing an extremely high Viscosity Index and a very low pour point for correct operation (ISO-L-HV classification).

CHARACTERISTICS (TYPICAL FIGURES)

ARNICA AS		46
Viscosity at 100°C	mm ² /s	8.91
Viscosity at 40°C	mm ² /s	46.63
Viscosity Index	-	175
Flash Point COC	°C	228
Pour Point	°C	-24
Density at 29.5°C	gm/cc	0.837

PROPERTIES AND PERFORMANCE

- The extremely high Viscosity Index possessed by eni **ARNICA AS** minimizes changes in viscosity as a result of temperature variations.
- The VI improver adopted is highly resistant to operating loads, and so there is no appreciable decrease in viscosity during service.
- The low pour point of all grades permits use for a wide range of applications including those where low working temperatures are encountered.
- eni **ARNICA AS** has good thermal and oxidation stability thus ensuring long life of the oil.
- The high Hydrolitic stability minimizes the formation of sludges in the presence of water.
- eni **ARNICA AS** oil has good anti-wear properties thus ensuring efficiency and long life of all moving parts of hydraulic circuits. Vanes and ring weight loss in the Vickers test is less than 48 mg.
- The antirust properties ensure effective protection and preservation of all metallic components in the circuit.
- They also have very good de-mulsibility, which facilitates spontaneous separation of any water which may become mixed with the oil.

APPLICATIONS

eni **ARNICA AS** oil are especially suitable as hydraulic fluid in:

- hydraulic and electro hydraulic servo controls;
- shock absorbers and other hydraulic equipment subject to wide temperature variations;
- hydraulic valve controls;

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- hydraulic signalling systems;
- shipboard equipment;
- control gear of automatic hydro-electric installations
- Construction machinery which are subject to wide temperature variations.
- Injection Moulding machinery

The use of eni **ARNICA AS** oil is also recommended, as an alternative to normal hydraulic oils, for the control and power transmission systems of types of machinery which, due to design or heavy-duty operating conditions, require oil with an extremely high Viscosity Index. In addition eni **ARNICA AS** oil are especially recommended for many delicate and precision machines and instruments where variations in braking torque caused by changes in viscosity must be contained within the closest possible limits.

SPECIFICATIONS

eni **ARNICA AS** oil meet the requirements of the following specifications:

- ISO -L-HV
- DIN 51524 teil 3 HVLP