

CleanVia Hydraulic Fluid ISO 46 has high performance lubrication properties which result in significantly less wear on your equipment's hydraulic components. CV-Hydraulic Fluid ISO 46 is not just rapidly biodegradable, operator safe and made from renewable resources but is environmentally safe. When an accidental spill occurs, the risk to the environment is reduced, risk of liability is minimized and negative media coverage can be avoided.

Advantages

- Fluid base stock is made from vegetable oils with a very high natural viscosity index. It is extremely resistant to viscosity break-down.
- Fluid is compatible with most hydraulic systems and integrated parts. Technical assistance is available to evaluate system specifications.
- Fluid is double filtered to exceed standards of purity.
- Fluid is a high performance hydraulic fluid that:
 - Protects against heat build-up caused by friction
 - Protects against rust and wear
 - Provides efficient power transfer

CleanVia Hydraulic Fluid ISO 46 exceeds major hydraulic manufacturer's performance requirements (including Vickers, Rexroth, Dennison and Parker) for mobile and stationary hydraulic systems.

- Proprietary process and proprietary additive packages
- Synthetic and petroleum hydrocarbon free
- Based on a unique technology

Field Test Results

Tests were carried out at a United States Government facility by a construction contractor. Operating condition and pertinent observations were as follows:

- Product was used in large diameter power tongs for breaking drill pipe joints. Maximum operating pressures were attained almost immediately.
- Operating pressures of 5000 P.S.I. were maintained.
- Artificially high operating temperatures (265°F) were created by heating the hydraulic tank. No pump cavitation or pressure loss occurred.
- Return valves were left open at one stage so that the fluid entered that tank under full pressure. No foaming occurred, nor did operating pressures drop.
- Oil samples taken approximately four months after testing started, showed virtually no viscosity loss or wear elements present.

Typical Properties	CV ISO 46
Grade (ISO)	46
Specific Gravity g/cm ³ @15°C	.91
Kinematic Viscosity: 40°C	42 cSt
100°C	9.1 cSt
100°F	210 SUS
210°F	56 SUS
Viscosity Index	239
Flash Point	279°/524°F
Pour Point	-36°C/-33°F
pH	7.0 - 7.2
Lc50 (ppm)	>40,000