



TECHNICAL DATA SHEET



TECHNO SOLUTIONS WORLD

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Product Name: Superfilm 5000

Description: SUPER 5000 MULTI-VIS HYDRAULIC OIL, SAE 10w40 is a multi-viscosity (multi-grade) type hydraulic fluid formulated for maximum service time and performance. It is designed to function over a wide range of temperatures and operating conditions in all types of hydraulic systems. SUPER 5000 is formulated with high quality, high viscosity index, paraffinic petroleum base oils. It provides protection against rusting, corrosion and wear. The superior additives utilized in SUPER 5000 results in 5000+ hours performance on the D-943 Oxidation test.

Composition: SUPER 5000 is designed to meet and exceed the physical and chemical requirements of any equipment for which this fluid is recommended. The SUPER 5000 formulation combines high quality, high VI base oils with exceptional VI improvers to achieve the multi-viscosity performance needed. This excellent multi-viscosity base oil is then improved with the following additives: Oxidation Inhibitors / Anti-Wear Agents / Corrosion Inhibitors / Anti-Foam Agents / Rust Inhibitors / Pour Depressant / Anti-Leak / Demulsifier.

Performance Characteristics: SUPER 5000 Multi-Vis Hydraulic Oil, with a very high viscosity index, assures excellent hydraulic operation in winter and summer, since there is less change in the "fluidity" of the oil from hot to cold. Also, using SUPER 5000 will avoid the need to change from winter to summer "grades" and eliminate the need to stock more than one hydraulic oil for different types of equipment. The power efficiency of the hydraulic pump is improved because less horsepower is needed to overcome the "fluid friction" of this oil, particularly during cold operating conditions. High operating temperatures tend to chemically "break down" hydraulic oils, resulting in leaks and varnish deposits which can cause hydraulic control valves to "stick" and malfunction, plugging of small orifices, and corrosion of some metal surfaces. The special anti-leak, oxidation, rust and corrosion inhibitors prevent such problems, including rusting of ferrous parts when moisture is in the system. Due to innovative technology in oxidation stability the special oxidation inhibitors in SUPER 5000 greatly extend the service life of this fluid to more than 5000+ hours of operation.

Uses: SUPER 5000 is designed to provide superior lubrication plus a more efficient operation for all types of pumps and hydraulic systems that specify oil viscosities within the range covered by this product, thereby eliminating the need of several different weights of hydraulic oil. SUPER 5000 is recommended for industrial and mobile equipment in all operating conditions not exceeding the specifications of this product.

Applications: Some service applications for SUPER 5000 Multi-Vis Hydraulic Oil, 10w40 are: Shot Hole Drills / Cold Room Machinery / Mining Drills / Hydraulic Ramps / Back Hoes / Hydraulic Shovels / Trenchers / Farm Tractors / Pavers and Spreaders / Machine Tools / Hydraulic Dumps / Bull Dozers / Hydraulic Hoists / Cherry Pickers.

CAUTION: Do not ingest. If this should occur, drink large volumes of water and seek medical attention. Avoid storage of product in freezing temperatures. Keep container sealed when not in use. Rinse empty container before discarding in an authorized landfill site. KEEP OUT OF REACH OF CHILDREN.

Typical Specifications:

Flash COC F: 410 Dielectric Strength: 40 KV

Viscosity CPS @0° F: 1800 ASTM D943 Oxidation: 5000+ hrs.

Viscosity cSt/SUS @100F: 26/125 Pour Point F: -30

Viscosity cSt/SUS @210°F: 15/77 Rust Test: Pass

Viscosity Index: 130 Foam Test: Pass

HMIS RATING: Health-1; Flammability-1; Reactivity- 0; Personal Protection-B.