



## SUNVIS 700 DETERGENT HYDRAULIC OILS

### OVERVIEW

SUNVIS 700 DETERGENT HYDRAULIC OILS are highly refined, premium, anti-wear hydraulic oils with a unique detergency/dispersant package developed to meet the requirements of high pressure hydraulic systems. They are designed for use in industrial and mobile hydraulic systems where component cleanliness is paramount and where deposit control is critical.

### FEATURES & BENEFITS

SUNVIS 700 DETERGENT HYDRAULIC OILS are characterized by outstanding performance in preventing rust, oxidation, foaming, air entrainment and many other factors that occur in sophisticated systems.

### APPLICATIONS

SUNVIS 700 DETERGENT HYDRAULIC OILS are designed for use in vane, rotary gear pumps, and compressors, along with circulating systems and machine tools. These hydraulic oils are suited for use in systems where water or contamination are present and a high level of dispersancy is required. SUNVIS 700 DETERGENT HYDRAULIC OILS are particularly recommended for use in hydraulic systems on mobile, industrial, or marine equipment, machine tools, elevators, floor jacks, hoists, winches, air tools and lubers, lifts, and many other hydraulic applications. They can also be used in applications that experience high levels contamination, such as hydraulic units in off-road equipment and trucks. The unique additive system in SUNVIS 700 DETERGENT HYDRAULIC OILS helps to keep servo valves clean for maximum operating efficiency as it traps water in an emulsion to hold it in suspension and prevent system contamination.

### SPECIFICATIONS

DIN 51524 Part 2, Antiwear Hydraulic Oils, Type HLP, Type HLPD\*  
• Eaton-Vickers I-286-S, M-2950-S • German Steel Industry SEB 181222 • ISO 11158:1997, Family H (Hydraulic Systems), Type HM  
• Parker Hannifin (Denison) HF-0, HF-1, HF-2 • U.S. Steel 127

\*Due to the presence of the detergent/dispersant properties to meet the HLPD requirements, rapid water separation (demulsibility) are not possible.

### TYPICAL PROPERTIES

PRODUCT CODE	4623	4523	4613	4563
Specific Gravity	.0860	.0865	.0867	.0689
Viscosity, cSt @ 40 °C	32	46	68	150
Viscosity, cSt @ 100 °C	6.1	7.6	9.8	16.6
Viscosity Index	141	132	126	118
Oxidation Stability, TOST	5000	5000	5000	2500
Flash Point, COC °C	207	218	235	235
Pour Point, °C	-45	-42	-36	-25
Acid Number, mg KOH/g	0.42	0.42	0.42	0.42
Copper Corrosion	1a	1a	1a	1a
Rust Test	Pass	Pass	Pass	Pass
Foam Test	Pass	Pass	Pass	Pass
FZG Pass, Load Test Stage	11	11	11	11