

ADVANTAGE DHS SERIES HYDRAULIC OILS

OVERVIEW

ADVANTAGE DHS SERIES 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

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

APPLICATIONS

ADVANTAGE DHS SERIES 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. ADVANTAGE DHS SERIES 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 ADVANTAGE DHS SERIES 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 CODES	426	462	452	461	456
ISO Grade	22	32	46	68	150
API Gravity	28.0	28.0	28.1	28.1	27.4
Viscosity, cSt/40°C	22	32	46	68	150
Viscosity, cSt/100°C	4.3	5.4	6.9	8.9	14.6
Viscosity Index	95	105	98	100	95
Oxidation Stability	5000	5000	5000	5000	2500
Flash Point, COC °F	395	405	425	455	455
Pour Point, °C	-40	-40	-34	-25	0
Copper Strip, Class	1A	1A	1A	1A	1A
Foam Test	Pass	Pass	Pass	Pass	Pass
FZG PASS	10	10	10	10	10
Rust Test	Pass	Pass	Pass	Pass	Pass
Sulfated Ash %	0.28	0.28	0.28	0.28	0.28
Zinc, % wt	0.042	0.042	0.042	0.042	0.042
Color	L0.5	L1.0	L2.0	L2.0	L3.5