

essenza HDYROe AW

series



mineral plus



APPLICATIONS AND SPECIFICATIONS

- ISO-L-HM
- DIN 51524 TEIL 2 HLP
- DENISON HF-0/HF-2
- CINCINNATI MACHINE P-68 (ISO VG 32)/P-70 (ISO VG 46)/P-69 (ISO VG 68)
- T6H20C HYBRID PUMP AND WET PHASE (II) OF DENISON T6C-020 VANE PUMP
- EATON VICKERS M-2950-S (35VQ25) AND I-286-S
- AFNOR NF E 48-690 & NF E 48-691 FILTERABILITY

PRODUCT DESCRIPTION

A range of premium industrial antiwear hydraulic oil developed particularly for use in all types of hydraulic systems and equipment, in hydraulic controls and hydrostatic systems which are extensively used in all fields of technology, such as transport, construction and mining, as well as in chemical and metallurgical machinery, machine tools, marine and aviation equipment etc. The oils are formulated from selected highly refined base stock for its improved thermal, oxidative and hydrolytic stability properties.

In addition to being recommended for use as a hydraulic fluid, the oils can also be used as a lubricant for bearings, reduction units, etc., where operating conditions demand special antiwear properties.

PROPERTIES AND PERFORMANCE

- Satisfies various demanding OEM performance requirements which call for high load carrying capacity, low deposit formation and longer oil life benefits.
- High level of antiwear properties that is able to withstand high loads between the sliding parts of high-pressure hydraulic systems.
- Outstanding oxidation resistance and stability even when subjected to unusually high thermal stresses which minimize sludge and deposit formation. Thus, preventing blockage of ports, valves and controls, while guaranteeing that the oil remains suitably fluid.
- Inherent natural high viscosity index minimizes changes in viscosity throughout the normal range of operating temperatures.
- Low pour point which allows for easy start-up of hydraulic equipment even at low temperatures, without circulation or regulation problems.
- Excellent demulsibility of the oils prevent the formation of a stable emulsion between the oil and any water which may enter the system through leakage or condensation. Even under these circumstances, the oils maintain their lubricating power and anticorrosion performance.
- High filterability makes it suitable for fine filters. With its excellent antifoam and air release properties it effectively prevents cavitation with pumps and controls, which ensures constant flow and good hydraulic efficiency.



essenza



Hotline Tel.: +65 6659 1250
www.essenzalubricants.it

3791 Jalan Bukit Merah, #04-07 E-Centre@Redhill, Singapore 159471

Disclaimer: The information contained herein is provided as a guideline and may change without notice. Italco therefore declines any liability for the improper use of the product information. We suggest that you contact our technicians in order to obtain up-to-date information on product specifications and applications.

CHARACTERISTICS (TYPICAL FIGURES)

ISO Viscosity Grade		15	22	32	46
Viscosity at 40°C	mm ² /s	16	22.5	32	46
Viscosity at 100°C	mm ² /s	3.6	4.4	5.5	6.9
Viscosity Index	-	103	105	106	106
Flash Point COC	°C	>200	>200	>200	>200
Pour Point	°C	-27	-26	-25	-23
Mass density at 15°C	kg/l	0.849	0.852	0.855	0.863

ISO Viscosity Grade		68	100	150	220
Viscosity at 40°C	mm ² /s	68	101	152	219
Viscosity at 100°C	mm ² /s	9.1	11.8	15.7	20.2
Viscosity Index	-	107	105	105	106
Flash Point COC	°C	>200	>200	>200	>200
Pour Point	°C	-16	-15	-14	-13
Mass density at 15°C	kg/l	0.883	0.886	0.887	0.891



essenza



Hotline Tel.: +65 6659 1250
www.essentialubricants.it

3791 Jalan Bukit Merah, #04-07 E-Centre@Redhill, Singapore 159471

Disclaimer: The information contained herein is provided as a guideline and may change without notice. Italco therefore declines any liability for the improper use of the product information. We suggest that you contact our technicians in order to obtain up-to-date information on product specifications and applications.