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Industrial Area 2,
Ajman-U.A.E

TECHNICAL DATA SHEET

VIRGO HYDRAULIC OIL AW

Hydraulic AW Series is a premium anti-wear hydraulic oils intended for industrial and mobile service applications, subjected to moderate operating conditions and requiring anti-wear lubricants. Their effective oxidation resistance and chemical stability support good oil life in moderate to severe applications.

Designed to Perform

Oxidation Resistance - VIRGO Hydraulic AW series provide a good oxidation resistance that protects the hydraulic internals by slowing down the rate of oxidation, acid formation and minimizes the production of fine metal particles. Additionally, this property helps to extends oil life particularly when subjected to unusually high thermal stresses thus maintenance costs are therefore reduced.

Anti-wear, Anti-corrosion & Anti-rust Protection – Longer Equipment Life, proven anti wear, anti corrosion and anti-rust additive packages provide greater resistance and extend hydraulic life and provides low maintenance costs. These properties of VIRGO Hydraulic AW series prevent rust development on the air end or any adjacent component of the hydraulic system thus preventing the moisture absorption of its metal parts.

Antifoam – Increased Performance Easy release of entrained air which will protects in over heating of the system and protects the oil surface area in further exposure to oxygen.

Demulsibility – Component of Life Extension Prevent the formation of water in oil emulsion and readily separates from water and help to reduce carryover to downstream equipment. It helps reduce blockage of coalescers, coolers and less potential for emulsion formation.

- Anti-wear protection
- o Oxidation resistance
- o Excellent cleaning power
- o Long drain interval protection
- o Lower Fuel Consumption

Performance Characteristics

VIRGO Hydraulic AW series is a premium high performance hydraulic oils formulated with the finest quality of base stocks and additives to meet the demand for a wide range of hydraulic system. It is boosted with a special anti-wear and anti-oxidant additive which provide long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. They were developed in conjunction with the major builders to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components such as close clearance servo-valves and the high accuracy numerically controlled (NC) machine tools. VIRGO Hydraulic AW Series is recommended for most component manufacturers using various multi-metallurgy designs allowing a single product with outstanding performance characteristics.

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Meets the requirements of the following specifications:

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- Denison HF-1, HF-2, HF-O
- Vickers M-2950S (Mobile Equipment)
- Vickers I-286S (Industrial Equipment)
- Cincinatti Milacron P-68, P-69, P-70 and P90
- DIN 51524, Part 2, Ford M-6C32
- AFNOR NF E 48-603 HM, U.S. Steel 136,127

Typical Physical Characteristics

Property	Temp	Units	Test Methods	Hydraulic AW Series				
ISO Viscosity Grade				32	46	68	100	150
Kinematic Viscosity	@ 40°C	cSt	ASTM D445	32	46	68	100	150
Kinematic Viscosity	@ 100°C	cSt	ASTM D445	5.4	6.7	8.5	11.1	14.6
Viscosity Index			ASTM D2270	95	95	95	95	95
Flash Point (COC)		°C	ASTM D92	212	226	234	242	258
Demulsibility	@ 54°C		ASTM D1401	15	15	20		
Demulsibility	@ 84°C		ASTM D1401				10	5
Density	@ 15 °C	Kg/l	ASTM 4052	0.870	0.875	0.880	0.885	0.889

These characteristics are typical of current product methods whilst future production will conform to VIRGO Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Protect the Environment

Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

Technical advice on any applications not covered here may be obtained from your VIRGO Lubricants Representative.