

## TECHSELECT® PREMIUM AW HYDRAULIC OILS

Manufactured with highly refined base oils

**DESCRIPTION:** **TECHSELECT® Premium AW Hydraulic Oils** are premium-quality anti-wear hydraulic oils with excellent stability, designed to meet the most stringent requirements of most all major manufacturers and users of hydraulic equipment. These oils are characterized by outstanding rust protection, low deposit formation, good demulsibility, rapid release of entrained air, oxidation resistance, low pour points and good anti-foam properties. They also contain an effective anti-wear agent that helps reduce wear in high-speed, high-pressure vane and gear pumps. AW Hydraulic Oils are made from top quality base stocks and contain all the necessary additives.

**APPLICATION:** **TECHSELECT® Premium AW Hydraulic Oils** are recommended for use in vane, gear and piston pumps operated above 3000 psi. These anti-wear hydraulic oils are very effective in reducing vane and gear pump wear and greatly extend the life of systems operating at high loads, speeds and temperatures.

Meets the requirements of Parker (formerly Denison) HF-0, HF-1, HF-2, Eaton E-FDGN-TB002-E, Bosch Rexroth RDE 90235, DIN 51524 Part II (HM), ISO 11158 (HM), ASTM D6158, AIST 126, 127, SAE MS 1004 (HM), GM LS2, JCMAS P041 HK and SEB 181222. Passes Eaton 35VQ25 and V104C (ASTM D2882 and ISO 20763) vane pump tests and Denison T6H20C hybrid vane/piston pump test.

Suitable for use in applications which cite former or obsolete specifications such as Fives Cincinnati P-68, P-69, P-70 and Bosch Rexroth RDE 90220.

**PERFORMANCE BENEFITS:** **TECHSELECT® Premium AW Hydraulic Oils** are particularly well suited for all industrial and mobile hydraulic system applications. These products satisfy the requirements of major hydraulic equipment manufacturers and are suitable for all types of hydraulic pumps except for the very small number of pumps containing silver plated parts which still require non-zinc oils.

- Excellent wear protection- 7,000 hour minimum per ASTM D-943
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Easy filterability
- Non-Conductive (Note: Dielectric strength and conductivity value applies at “point of manufacture” of packaged product from AIOD manufacturing facility and will change if oil becomes contaminated with dirt or even a small amount of water)

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### TYPICAL PROPERTIES±:

	32	46	68
SAE Viscosity Grade	10W	20W	20W
Specific Gravity	0.862	0.865	0.867
Flash Point Deg °F (°C)	411 (211)	444 (229)	465(241)
Pour Point Deg °C.	-40	-37	-36
Appearance	Light Pale	Light Pale	Light Pale
Viscosity			
@ 40 Deg. °C, cSt	32	46	68
@100 Deg. °C, cSt	5.53	7.02	9.15
Viscosity Index	109	110	110
Gravity, API	32.8	32.3	31.9
Non-Conductive, 25kV minimum	30*	30*	30*
Rust Test, ASTM D665	Pass	Pass	Pass
Oxidation ASTM D-943	7000	7000	7000

\*Dielectric strength will decrease if the oil becomes contaminated with dirt or even a very small amount of water.

±Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly. Minor variations in product typical test data are to be expected in normal manufacturing.



This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either AIOD or its affiliates for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult your local AIOD Distributor if you require any further information.

Product	5 Gallon Pail	55 Gallon Drum	Tote	Bulk
AW 32 Hydraulic	TS27265	TS17265	TS57265	17265
AW 46 Hydraulic	TS27266	TS17266	TS57266	17266
AW 68 Hydraulic	TS27267	TS17267	TS17267	17267

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