

## **SERVICE PRO® PREMIUM AW HYDRAULIC OILS**

**Manufactured with highly refined base oils**

**DESCRIPTION:** SERVICE PRO® 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:** SERVICE PRO® 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.

Fives Cincinnati (formerly MAG Cincinnati, Cincinnati Machine, Cincinnati Milacron), Haggglunds-Denison HF-0 and HF-2, Vickers M-2950-S and I-286-S, Passes Vickers 35VQ25 and V104C (ASTM D2882) vane pump tests, passes Denison P-46 piston pump and T-6C vane pump tests, U.S. Steel 127 and 136, and DIN 51524 Part II.

SERVICE PRO® 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.

**PERFORMANCE  
BENEFITS:**

- Excellent wear protection
- 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)



Updated: 12/2018

SPWNAWHYD

## SERVICE PRO® PREMIUM AW HYDRAULIC OILS

Manufactured with highly refined base oils

### TYPICAL PROPERTIES\*:

	32	46	68	100
ISO	32	46	68	100
SAE Viscosity Grade	10W	20W	20W	30W
Specific Gravity	0.871	0.876	0.884	0.885
Flash Point Deg F ( C )	405 (208)	405 (208)	410 (210)	410 (210)
Pour Point Deg F.	-27	-27	-27	-6
Appearance	Light Pale	Light Pale	Light Pale	Light Pale
Viscosity				
@ 40 Deg. C, cSt	32	46	68	100
@100 Deg. C, cSt	5.4	6.9	8.9	11.5
@ 100 Deg. F, SUS	165	227	352	525
@ 210 Deg. F, SUS	44	48	56	66
Viscosity Index	100	100	100	100
Gravity, API	31.5	30	28.5	28.4
Non-Conductive, 25kV minimum	35*	35*	35*	35*
Rust Test, ASTM D665	Pass	Pass	Pass	Pass
Oxidation ASTM D-943	5000	5000	5000	5000

\*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.

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 of 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.



Updated: 12/2018  
SPWNAWHYD