



## Lubriguard™ Premium AW Hydraulic Oil

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**Lubriguard Premium AW Hydraulic Oils** are premium-quality anti-wear hydraulic oils with excellent stability, designed to meet the most stringent requirements of 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.

**Lubriguard 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.

**RECOMMENDED APPLICATIONS:** (for appropriate viscosity grade) Cincinnati Lamb, Hagglands-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.

**Lubriguard 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.

### Benefits

- Excellent wear protection
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Easy filterability



**Warren Oil Company, LLC**

Dunn, NC 28334: Benton, AL 36758: San Antonio, TX 78210:  
Marion, IL 62959: Johnstown, PA 15909: West Memphis, AR 72301



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## Typical Characteristics

| <b>Lubriguard Premium AW Hydraulic Oils</b> |            |            |            |            |            |
|---|------------|------------|------------|------------|------------|
|   | <b>32</b>  | <b>46</b>  | <b>68</b>  | <b>100</b> | <b>150</b> |
| ISO Viscosity Grade                         | 32         | 46         | 68         | 100        | 150        |
| SAE Viscosity Grade                         | 10W        | 20W        | 20W        | 30W        | 40W        |
| Specific Gravity                            | .871       | .876       | .884       | .885       | .882       |
| Flash Point °F ( °C )                       | 405 (208)  | 405 (208)  | 410 (210)  | 410 (210)  | 450 (232)  |
| Pour Point °F.                              | -27        | -27        | -27        | -6         | 10         |
| Appearance                                  | Light Pale | Light Pale | Light Pale | Dark Pale  | Dark Pale  |
| Viscosity                                   |            |            |            |            |            |
| @ 40 Deg. °C, cSt                           | 32         | 46         | 68         | 100        | 150        |
| @ 100 Deg. °C, cSt                          | 5.4        | 6.9        | 8.9        | 11.5       | 14.6       |
| @ 100 Deg. °F, SUS                          | 165        | 227        | 352        | 525        | 790        |
| @ 210 Deg. °F, SUS                          | 44         | 48         | 56         | 66         | 78         |
| Viscosity Index                             | 100        | 100        | 100        | 100        | 95         |
| Gravity, °API                               | 31.5       | 30.0       | 28.5       | 28.4       | 28.9       |
| Rust Test, ASTM D665                        | Pass       | Pass       | Pass       | Pass       | Pass       |
| Oxidation                                   | ASTM D-943 | 5000 +     | 5000 +     | 5000 +     | 4500+      |



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