KLONDIKE Anti-Wear (AW) Advanced Formula Hydraulic Fluids are designed for high performance hydraulic systems. These fluids provide excellent operating and maintenance benefits for increased productivity.

APPLICATIONS

KLONDIKE Anti-Wear Advanced Formula Hydraulic Fluids are recommended for vane, piston, or gear-type hydraulic pumps in heavy duty and industrial service. Check your owner’s manual for correct fluid viscosity.

SPECIFICATIONS AND APPROVALS

KLONDIKE AW Advanced Formula Hydraulic Fluids are recommended for use where the following specifications are listed. Some specifications are viscosity grade specific. Refer to equipment owner’s manual for correct viscosity grade recommendations.

- ASTM D6158
- Cincinnati/MAG IAS P-68 (AW 32)
- Cincinnati/MAG IAS P-69 (AW 68)
- Cincinnati/MAG IAS P-70 (AW 46)
- Parker Denison HF-0, HF-1, HF-2
- Sperry Vickers/Eaton I-286-S, M-2950-S
- Eaton E-FDGN-TB002-E, 35VQ25A
- US Steel 127, 136
- DIN 51524 Part 1, 2, 3
- General Motors LS-2
- JCMAS HK
- Bosch Rexroth
- Racine

KLONDIKE Anti-Wear Advanced Formula Hydraulic Fluids are manufactured with paraffinic base oils and high performance additives. They provide trouble free service in high output hydraulic systems at high temperature and pressure. This hydraulic fluid is designed to operate over a broad temperature range, resulting in lower maintenance cost and production down time. KLONDIKE Anti-Wear Advanced Formula Hydraulic Fluids have increased discharge flow rates and decreased internal pump leakage rates resulting in increased hydraulic system pumping efficiency, and therefore fewer fluid changes and less used fluid disposal. Premium base oils and advanced additive technology are highly resistant to oxidation and viscosity breakdown ensuring long service life in demanding applications. These hydraulic oils may also be used as general purpose lubricants where straight mineral oils and conventional rust and oxidation inhibited oils are recommended.

KLONDIKE Anti-Wear Advanced Formula Hydraulic Fluids deliver value through the following benefits:

- **Long equipment life** — anti-wear additives minimize wear by protecting surfaces even when heavy loads cause lubricant film breakdown.
- **Minimized downtime** — rust and oxidation inhibitor system helps prevent the production of rust formation as well as deposits, varnish, and sludge, which can damage metal surfaces and oil seals.
- **Smooth operation** — excellent fluid stability and water separation characteristics promote filterability even in the presence of water contamination. Anti-foam and air release properties help ensure smooth operation and high system efficiency.
### TYPICAL TECHNICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>KLONDIKE AW 22</th>
<th>KLONDIKE AW 32</th>
<th>KLONDIKE AW 46</th>
<th>KLONDIKE AW 68</th>
<th>KLONDIKE AW 100</th>
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<tbody>
<tr>
<td>API Gravity</td>
<td>ASTM D287</td>
<td>33.5</td>
<td>32.44</td>
<td>31.5</td>
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<td>Specific Gravity @ 15.6 °C</td>
<td>ASTM D4052</td>
<td>0.857</td>
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<td>Viscosity @ 40°C, cSt</td>
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<td>Viscosity @ 100°C, cSt</td>
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<td>Viscosity Index</td>
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<td>Pour Point, °C</td>
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<td>Flash Point, COC, °C</td>
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<td>Oxidation stability</td>
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All stated physical properties are typical of standard production and may vary.

### PRODUCT NUMBERS

**AW 22 ADVANCED FORMULA**
- Pail: 18.9 L / 5 GAL: KL-HF1080
- Drum: 208 L / 55 GAL: KL-HF1090
- Tote: 1040 L / 275 GAL: KL-HF1095
- Bulk: KL-HF1099

**AW 32 ADVANCED FORMULA**
- Jug: 4.73 L / 1.25 GAL: KL-HF1260
- Jug: 9.46 L / 2.5 GAL: KL-HF1275
- Pail: 18.9 L / 5 GAL: KL-HF1280
- Drum: 208 L / 55 GAL: KL-HF1290
- Tote: 1040 L / 275 GAL: KL-HF1295
- Bulk: KL-HF1299

**AW 46 ADVANCED FORMULA**
- Jug: 4.73 L / 1.25 GAL: KL-HF1460
- Pail: 18.9 L / 5 GAL: KL-HF1480
- Drum: 208 L / 55 GAL: KL-HF1490
- Tote: 1040 L / 275 GAL: KL-HF1495
- Bulk: KL-HF1499

**AW 68 ADVANCED FORMULA**
- Pail: 18.9 L / 5 GAL: KL-HF1680
- Drum: 208 L / 55 GAL: KL-HF1690
- Tote: 1040 L / 275 GAL: KL-HF1695
- Bulk: KL-HF1699

**AW 100 ADVANCED FORMULA**
- Pail: 18.9 L / 5 GAL: KL-HF1880
- Drum: 208 L / 55 GAL: KL-HF1890
- Bulk: KL-HF1899
HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other KLONDIKE product, please visit www.klondikelubricants.com or call 1-877-293-4691. When disposing of used product, be responsible to the environment.

BRAVING THE FORCE OF MOVEMENT

KLONDIKE stands for robust, reliable, high quality products tailored to suit the requirements of the on- and off-road heavy duty, automotive and industrial markets. Our solutions span from trend-setting retail lubricants through small-batch custom formulations to large bulk orders ready for immediate delivery.

The extensive KLONDIKE product range includes premium oils, lubricants, greases, chemicals and specialty fluids formulated with virgin base oils and protective inhibitors. Designed to handle the most extreme climates and operating conditions, the KLONDIKE products protect and extend the life of your equipment, optimize performance and improve productivity while meeting and exceeding industry standards and specifications.

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