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# 油之陆 HYDRO HYDRAULIC OIL AWP

加氢处理液压油采用高度精炼的加氢处理基础油，配合优质液压油复合添加剂调制而成。专为高补油率及配有精密过滤系统的现代液压系统设计。

本产品所采用的添加剂有助于增强油液的抗磨特性，并在多项测试中表现出色。该系列添加剂不仅能有效抑制油泡形成，还能提供强效的防锈与防腐蚀保护，并具备卓越的过滤性能。本产品适用于对极佳抗磨性能和卓越过滤性有严苛要求的液压及泵送系统。

## 优点 / 用途

- > 防止磨损
- > 防锈及防腐蚀保护
- > 优异的抗泡性及极佳的抗乳化性能
- > 卓越的过滤性能

## 规格、认证及推荐

|               |  |
|---------------|--|
| > 美国材料与试验协会   | D6158 HL, HM, HV                                 |
| > 美国材料与试验协会   | D6158 HMHP, HVHP                                 |
| > 博世力士乐       | RDE 90235  |
| > 中国国家标准 (GB) | GB 11118.1 L-HL & L-HM (HIGH PRESSURE & GENERAL) |
| > 达涅利         | 0.000.001 TYPE 10 & 11                           |
| > 丹佛斯 (伊顿)    | BROCHURE 03-401-2010                             |
| > 丹佛斯 (伊顿)    | E-FDGN-TB002-E                                   |
| > 德国标准化学会     | 51524  |
| > 伊顿威格士       | I-286-S  |
| > 伊顿威格士       | M-2950-S   |
| > 五轴辛辛那提      | P-68, P-69 & P-70                                |
| > 通用汽车        | LS-2 ANTIWEAR HYDRAULIC OIL                      |
| > 国际标准化组织     | 11158  |
| > 日本建筑机械标准化协会 | HK P041  |
| > 派克丹尼逊       | HF-1, HF-2, HF-0                                 |
| > 美国汽车工程师学会   | MS1004   |
| > 瑞典标准 (SS)   | SS 155434:2015                                   |
| > 美国钢铁公司      | 126  |
| > 采埃孚         | TE-ML 07H  |
| > 采埃孚         | TE-ML 21M  |

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Ver 15/1



## 典型物性

| 测量项目         | 测量方法        | 单位   |               |               |               |
|--------------|-------------|------|---------------|---------------|---------------|
| ISO 粘度等级     | -           | -    | <b>ISO 22</b> | <b>ISO 32</b> | <b>ISO 46</b> |
| 比重 @ 15 °C   | ASTM D 4052 | kg/L | 0.848         | 0.856         | 0.864         |
| 闪点 (开口杯)     | ASTM D 92   | °C   | 198           | 216           | 224           |
| 倾点           | ASTM D 97   | °C   | -33           | -33           | -30           |
| 运动粘度 @ 40°C  | ASTM D 445  | cSt  | 21.3          | 32.5          | 46.3          |
| 运动粘度 @ 100°C | ASTM D 445  | cSt  | 4.4           | 5.6           | 7.0           |
| 粘度指数         | ASTM D 2270 | -    | 114           | 110           | 109           |

## 典型物性

| 测量项目         | 测量方法        | 单位   |               |                |
|--------------|-------------|------|---------------|----------------|
| ISO 粘度等级     | -           | -    | <b>ISO 68</b> | <b>ISO 100</b> |
| 比重 @ 15 °C   | ASTM D 4052 | kg/L | 0.869         | 0.872          |
| 闪点 (开口杯)     | ASTM D 92   | °C   | 228           | 236            |
| 倾点           | ASTM D 97   | °C   | -27           | -21            |
| 运动粘度 @ 40°C  | ASTM D 445  | cSt  | 67.8          | 97.2           |
| 运动粘度 @ 100°C | ASTM D 445  | cSt  | 8.9           | 11.3           |
| 粘度指数         | ASTM D 2270 | -    | 104           | 103            |