

VESTAN AW OILS



**FOOD PROCESSING
INDUSTRIES**



Food grade anti-wear hydraulic/machinery oil

APPLICATIONS

**Hydraulic systems and
lubricating oils**

**H1 registered
food grade lubricant.**

- **VESTAN AW OILS** is a series of high performance low color food grade antiwear hydraulic (up to ISO 100) and machine oils designed for applications where the oil may come in incidental contact with edible products or food packaging. It is available in a wide range of viscosities up to ISO 460.
- **VESTAN AW OILS** have been successfully used in high pressure hydraulic systems, low and high speed bearings, airline lubricators (ISO grades 22 and 32), as a rust protection spray after wash down, in hand oiled bearings, slides, guides, and chains, and on conveyors.
- NSF H-1 Registered and meets USDA 1998 H1 Guidelines for incidental contact with food.

ADVANTAGES

- Extended drain intervals.
- Low and high temperature service.
- High temperature stability.
- Rust, oxidation, and anti-wear protection.
- Compatible with elastomers and seals.
- Good film strength.

TYPICAL PROPERTIES—VESTAN AW OILS

| ISO grade | 32 | 46 | 68 | 100 | 150 | 220 | 320 | 460 |
|------------------------------------|-----------|-----------|----------|----------|---------|----------|----------|----------|
| NSF Registration Number | 403022 | 403023 | 403024 | 113075 | 113076 | 113077 | 113078 | 113079 |
| Specific gravity @ 60°F ASTM D1298 | 0.864 | 0.865 | 0.867 | 0.871 | 0.875 | 0.875 | 0.881 | 0.882 |
| Viscosity @ 40°C, cSt ASTM D 445 | 35.2 | 46.0 | 70.1 | 96 | 138 | 227 | 318 | 479 |
| Viscosity @ 100°C, cSt ASTM D 445 | 5.6 | 6.8 | 8.9 | 11.7 | 14.7 | 19.4 | 23.8 | 29.9 |
| Viscosity index, ASTM D 2270 | 98 | 98 | 98 | 110 | 107 | 97 | 95 | 94 |
| Color, ASTM D 1500 | L 0.5 | L0.5 | L0.5 | L0.5 | L0.5 | L0.5 | L0.5 | L0.5 |
| Flash point, COC, °F ASTM D 92 | 420 | 440 | 465 | 425 | 425 | 390 | 385 | 415 |
| Flash point, COC, (°C) | (216) | (226) | (241) | (218) | (218) | (199) | (196) | (213) |
| Pour point, °F(°C) ASTM D 97 | -10 (-23) | -10 (-23) | -6 (-21) | -4 (-20) | 3 (-17) | 10 (-12) | 10 (-12) | 10 (-12) |
| Rust test, ASTM D 665 A&B | Pass | Pass | Pass | Pass | Pass | Pass | Pass | Pass |

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Vestan AW
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TOTAL Lubricants USA has a policy of continuous improvement and reserves the right to change specifications as our technology progresses. We are not responsible for the misuse and/or misapplication of our products. MSDS are found at on our web sites.