



## Premium Anti-Wear (AW) Hydraulic Oil

STARFIRE Anti-Wear (AW) Hydraulic Oils are superior quality general purpose anti-wear hydraulic fluids formulated according to the ISO viscosity grade classifications that meet or exceed Cincinnati Machine P-68, P-69, P-70, Denison HF-0, HF-1, HF-2, Vickers 35VQ25, Eaton/Vickers M-2950-S, I-286-S, Ford M6C32, Chrysler, General Motors LS-2, and US Steel 136 performance specifications for stability and durability and comply with most industrial applications requiring a premium Anti-Wear Hydraulic Oil. STARFIRE Anti-Wear Hydraulic Oils contain a zinc/phosphorous additive to minimize wear in high speed, high-pressure vane, gear, and piston pumps.

### Benefits and Applications

- Excellent thermal stability
- Special additives provide sludge and deposit control, and longer service life
- Excellent rust and corrosion protection for all system components
- Provide superior water separation and demulsibility
- Excellent anti-foam protection and rapid air release
- Provides anti-wear protection for pumps, motors, valves and other hydraulic circuit components operating under high pressures and loads

### Typical Characteristics - Anti-Wear Hydraulic Oil

ISO GRADE	22	32	46	68	100	150
AGMA Grade	-	-	1	2	3	4
Color	L 1.0	L 1.0	L 1.5	L 2.5	L 3.0	L 4.5
Viscosity @ 100°C, cSt	4.5	5.6	6.8	9.0	11.6	14.8
Viscosity @ 40°C, cSt	22.3	32.0	43.6	66.2	97.4	145.3
Viscosity Index	111	115	113	111	107	102
Pour Point, °C/°F	-42 / -43.6	-36 / -32.8	-33 / -27.4	-33 / -27.4	-21 / -5.8	-15 / 5
Flash Point, COC °C/°F	210 / 410	230 / 446	242 / 467.7	246 / 474.8	248 / 478.4	258 / 496.4
Specific Gravity 15.6°C (60°F)	0.855	0.857	0.861	0.867	0.874	0.879
Demulsibility D1401	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Stability D943 hrs	5000	5000	5000	5000	5000	5000

The specifications on this sheet are provided by the manufacturer. We do not guarantee the accuracy of these specifications as they are subject to change without notice.