



MileGuard™ Premium ZF AW Hydraulic Oils

MileGuard Premium ZF AW Hydraulic Oils are premium-quality anti-wear hydraulic oils which are formulated using non-zinc containing additive technology. This ashless technology provides the product performance of premium anti-wear hydraulic oil, without the heavy metals normally found in such products. This reduces the concerns of many regulatory agencies regarding the presence of “heavy metals” in plant effluent. It is non-toxic to fish and aquatic species as determined by OECD Test Method 203. It is classified as inherently biodegradable by the OECD Test Method 301B.

Benefits

- Inherently Biodegradable
- Nontoxic to aquatic organisms
- Excellent wear protection
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Easy filterability

Meets or Exceeds (for appropriate viscosity grade)

- Cincinnati Lamb
- Hagglands-Denison HF-0 and HF-1, HF-2
- Vickers M-2950-S and I-286-S



1211 Belmar Drive Belcamp, MD 21017
410-574-4500
www.tilleylubricants.com



MileGuard™ Premium ZF A W Hydraulic Oils

Typical Characteristics:

ISO Viscosity Grade	32	46
SAE Viscosity Grade	10W	20W
Specific Gravity	.871	.876
Flash Point °F (°C)	405 (208)	405 (208)
Pour Point °F.	-25	-20
Appearance	Light Pale	Light Pale
Viscosity		
@ 40 °C, cSt	32	46
@ 100 °C, cSt	5.4	6.9
@ 100 °F, SUS	165	227
@ 210 °F, SUS	44	48
Viscosity Index	100	100
Gravity, °API	31.5	30.0
Oxidation, ASTM D943, hours	5000+	5000+
Aquatic Toxicity, OECD 203	Nontoxic	Nontoxic
Biodegradability in 28 days, OECD 301-B, %	72	72



1211 Belmar Drive Belcamp, MD 21017
410-574-4500
www.tilleylubricants.com