

Pro Guard AW Industrial

Multi-Purpose Machine Lubricant

No. 305

ISO: 150, 220, 320

DESCRIPTION:

Pro Guard AW is a premium quality ashless, highly oxidation stable, anti-wear lubricant, blended from extremely high VI base oils and specially selected additives. This lubricant can be used in a wide variety of applications where manufacturers recommend an R&O or AW type oil, such as an AGMA Gear Lubricant or general machinery lubricant. Special friction reducing and anti-oxidation additives make this an extremely long life lubricant (15,000 hour oxidation rate).

PERFORMANCE CHARACTERISTICS:

- **Oxidation resistant (15,000 hours in the ASTM-D943 Oxidation Test)**
Oxidation inhibitors and premium quality base oils combine to form a product with outstanding resistance to oxidation. This feature is designed for long drain intervals and for minimizing the formation of sludge and varnish.
- **Provides excellent anti-wear protection**
Special ashless anti-wear additives protect against wear in high pressure pumps and other equipment under heavy loads.
- **Friction reduction**
Exclusive friction reducing additives provide reduced operating temperature and reduced horsepower requirements in comparison to conventional industrial oils.
- **Superior rust protection**
Inhibitors protect metal parts from moisture during operation and shut down.
- **Demulsibility**
Designed to separate rapidly from water.
- **High viscosity index to insure viscosity stability**
- **Superior filterability**

TYPICAL APPLICATIONS:

Most gear or circulating systems requiring an AW, RO fluid, such as:

Circulation oil systems	Reduction gears (Non-EP)	Antifriction bearings
AGMA gear systems	Gears requiring non-EP	Plain bearings
Reciprocating air compressors	General machine lube	Worm drives

SUMMARY:

Lubrication systems are constantly subjected to adverse conditions such as water, heat, long operating intervals, heating and cooling and high pressures. Each of these factors affect the ability of the system to provide maximum output when needed. Bearing, pump, valve, gear, motor and cylinder wear are very common. Gum and varnish buildup lead to poor system performance. Oil deterioration and oxidation results not only in excessive wear, but frequent overhauls as well. Deterioration of seals and O-rings lead to increased oil consumption.

Pro Guard AW industrial Oils are formulated to greatly reduce this problem and provide maximum system efficiency.

TYPICAL SPECIFICATIONS:

ISO GRADE		150	220	320
AGMA Grade		4	5	6
Viscosity @ 100° C, cSt:		14.2	18.2	23.4
@ 40° C, cSt:		140	204	301
Viscosity Index:		97	96	96
Gravity, °API:		29.4	28.0	26.0
Flash Point, COC, °F:		500	520	530
Pour Point, °F:		+5	+5	+10
Oxidation Stability, TOST, hr ¹	ASTM D-943	15,000+	15,000+	15,000+
Four Ball Wear Test 40 KG, 1 hour @ 167° F	ASTM D-2266	0.4	0.4	0.4
Foam Test	ASTM D-892	Pass	Pass	Pass
Rust Test	ASTM D-665	Pass	Pass	Pass
Demulsibility Test	ASTM D-1401	Pass	Pass	Pass

Values shown here are typical, and may vary.