



Lyden Oil Company

ProGuard Product Data

ProGuard Ultimate AW Hydraulic Oils Product Data Sheet

ProGuard Ultimate AW Hydraulic Oils are premium quality, anti-wear, hydraulic oils designed to provide maximum pump life and trouble-free service in industrial and mobile hydraulic systems operating under high-pressure, high-temperature conditions. They possess excellent oxidation and thermal stability at high temperatures to minimize deposit formation, provide long life, enhanced wear protection and deposit control for severe service applications.

ProGuard Ultimate AW Hydraulic Oils also satisfy low-temperature applications in appropriate viscosity grades. Since these oils contain a Zincdithiophosphate (ZDDP) anti-wear agent, they should not be used in those specialized pumps having silver-faced bearing surfaces.

ProGuard Ultimate AW Hydraulic Oils are recommended for use in vane, gear and piston pumps operated above 3000 psi. These anti-wear hydraulic oils are very effective in reducing vane and gear pump wear, reducing varnish build-up, and greatly extend the life of systems operating at high loads, high speeds and high temperatures. It is particularly recommended for use in plastic injection molding machines where deposit control in electro-pneumatic servo valves is essential for a trouble free operation.

ProGuard Ultimate AW Hydraulic Oils are formulated to provide excellent wear protection, resist rust and corrosion and to meet or exceed the requirements for industrial and mobile hydraulic systems according to the following industrial and OEM specifications: Bosch Rexroth RE 90 220, Denison HF-0, HF-1, HF-2, Din 51524, Part II, Anitwear Hydraulic Oils, Type HLP, Cincinnati Milacron P-68, P-69, P-70, German Steel Industry SEB 181222, U.S. Steel 127, Racine, Vickers (Eaton) M-2950-S, I-286-S.

ProGuard Ultimate AW Hydraulic Oils satisfy the requirements of major hydraulic equipment manufacturers and are suitable for all types of hydraulic pumps.

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Benefits

- Outstanding performance in plastic injection molding machines
- Excellent wear protection
- Excellent deposit control
- Rapid release of any entrained air
- Oxidation and thermal stability for long life
- Excellent rust and corrosion protection
- Excellent low temperature performance

Typical Characteristics

ProGuard Ultimate AW Hydraulic Oils	32	46	68	100
SAE Viscosity Grade	10W	20W	20W	30W
Flash Point Deg F (C)	421 (216)	427 (219)	460 (238)	486 (252)
Pour Point Deg F.	-35	-29	-29	-20
Appearance	Light Pale	Light Pale	Light Pale	Dark Pale
Viscosity				
@ 40 Deg. C, cSt	32	46	68	100
@100 Deg. C, cSt	5.4	6.9	8.9	11.5
@ 100 Deg. F, SUS	165	227	352	525
@ 210 Deg. F, SUS	44	48	56	66
Viscosity Index	103	103	99	198
Oxidation Life ASTM D943, hrs.	7500 +	7500 +	7500 +	7500 +
Rust Test, ASTM D665 A&B	Pass	Pass	Pass	Pass

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