



PURAMAX Hyd Advance

PURAMAX Hyd Advance oils are exceptional hydraulic oils designed for Cat hydraulic systems. They represent significant performance increases over traditional hydraulic fluids in wear protection, oxidation stability, water separation, corrosion protection, air release management, and cleanliness. They provide optimum fluid performance over a wide-range of operating temperatures to protect pumps, lines and controls.

Formulated from high quality base oils combined with an advanced additive system allow for 6,000 hour extended drain intervals and long-lasting anti-wear protection.

APPLICATIONS

- Cat machine hydraulic systems
- Hydraulic systems (including high-flow and heavy-load applications) where an anti-wear fluid is required
- High-pressure circulating systems
- Systems subjected to high-temp & high-pressure operating environments

Ambient Operating Temperature Range

Viscosity	Temperature Range - Celsius	Temperature Range - Fahrenheit
PURAMAX Hyd Advance 10	-20°C min. to 40°C max.	-4°F min. to 104°F max.
PURAMAX Hyd Advance 20	-5°C min. to 45°C max.	23°F min. to 113°F max.
PURAMAX Hyd Advance 30	10°C min. to 50°C max.	50°F min. to 122°F max.

FEATURES AND BENEFITS

- Ultimate equipment protection and extended service life
- 6,000 hour extended drain intervals reduce operating costs and increases uptime
- Excellent demulsification (water separation) properties
- Wide temperature range protection
- Exceeds typical hydraulic oils in rust, corrosion and foam protection
- Outstanding oxidation stability

RECOMMENDED PERFORMANCE SPECIFICATIONS

Meets the requirements of all major pump manufacturers

- Denison HF-O, HF-1, HF-2 / Sperry Vickers M-2950-S & I-286-S / Cincinnati Milacron P-68, P-69, P-70 / DIN 51524-2

PURAMAX Hyd Advance	Typical Characteristics		
SAE Viscosity Grade	ASTM-D	10W	30
Gravity, °API	792	33	30
Viscosity cSt @ 40°C	445	39.5	100.2
Viscosity cSt @ 100°C	445	6.60	11.30
Viscosity Index	2270	121	97
Flash Point, (COC) °F	92	390	400
Pour Point, °C (°F)	97	-37(-35)	-29(-20)
Oxidation, Hrs.	943	>5,000	>5,000
FZG Scuffing Test, FLS	5182	12	12
Rust Test	665 A&B	No Rust	No Rust

Minor variations in test data are to be expected in normal manufacturing