

ANTI-WEAR HYDRAULIC OIL

ECOPOWER® Anti-Wear Hydraulic Oils are formulated with premium base oil technology and designed to give robust protection to hydraulic pumps. Contains an anti-wear additive system meeting the requirements of the major pump builders, including Cincinnati Milacron, Denison, Vickers, Eaton/Vickers, and others. Meets Fives 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, DIN 51524-2, and US Steel 136 specifications for stability and durability.

ECOPOWER® Anti-Wear Hydraulic Oils contain a zinc/phosphorus additive to minimize anti-wear performance in systems free of shock loading and which do not require extreme pressure performance, superior system cleanliness to reduce downtime, reduced wear of pumps, and protection of components including bearings, gears, and yellow metal components.

Features and Benefits:

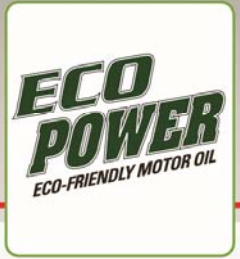
- Long equipment life — Anti-wear additive package minimizes wear by protecting surfaces when load causes breakdown of the lubricant film. Excellent resistance to oxidation and thermal degradation.
- Reduced wear reduces maintenance and replacement costs.
- Protection against rust and corrosion — keeps systems clean.
- Excellent air release properties avoid pump cavitation.
- Minimized downtime — Effective rust and oxidation inhibitor system helps prevent the production of damaging particles from rust formation.
- Freedom from deposits, giving extended drain periods.
- Fewer unplanned stoppages through a high performance quality lubricant.

Applications:

ECOPOWER® AW Oils are suitable as multipurpose lubricants in systems using splash, bath and ring oil arrangements and all other application methods involving pumps and valves. They are recommended for use in hydraulic systems where higher viscosity oils are specified.

Eco-Friendly:

ECOPOWER® is made from recycled and re-refined used motor oil, it satisfies recent Federal directives for government agencies to use recycled/recovered materials.



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TYPICAL PROPERTIES						
ECOPOWER® 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
Specific Gravity (60°F)	0.851	0.854	0.857	0.865	0.871	0.877
Kinematic Viscosity						
cSt @ 40°C	22.5	32.5	43.6	66.5	98.3	148.6
cSt @ 100°C	4.5	5.7	6.9	9.0	11.7	15.1
Viscosity Index	111	115	114	111	107	102
Flash Point, °C	218	230	248	254	252	252
Pour Point, °C	-42	-39	-36	-33	-21	-12
Demulsibility D1401	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Stability D943, hrs	4000	6500	6500	5500	2000	2000
Rust Characteristics D665, A&B	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	1A	1A	1A	1A	1A	1A
FZG Failure Stage	10	10	10	10	10	10

Note: Values shown above are representative of current production and may vary within modest ranges

Rev. 01/16