



CLARION® GREEN A/W OILS

Date 01/11

DESCRIPTION: Clarion Green A/W Oils are high-performance, anti-wear hydraulic oils, designed for use in the pumps and gears of high-pressure hydraulic equipment operating in environmentally sensitive areas.

QUALITIES: Clarion Green A/W Oils are aromatic-free, inherently biodegradable and will pass the U.S. Coast Guard static sheen test requirements. They are non-toxic to aquatic life, exceeding U.S. EPA LC₅₀ test requirements for mysidopsis-bahia shrimp, rainbow trout and fathead minnow.

Clarion Green A/W Oils have excellent thermal and oxidative stability, exceeding 15,000 hours D 943 TOST Life. They meet the requirements of all major hydraulic pump manufacturers, including Denison HF-0, HF-2, Cincinnati Lamb P-68, P-69, P-70, and Vickers Industrial & Mobile 35 VQ 25, and are compatible with other premium mineral oil-based lubricants.

These oils are formulated with a state-of-the-art, ashless additive package that provides maximum wear protection for pump components, ensures optimum rust and corrosion protection, hydrolytic stability and longer service life. They are easily recycled.

APPLICATIONS: Clarion Green A/W Oils are recommended for high-pressure, high-temperature, vane, piston and gear-type hydraulic pumps operating in environmentally sensitive areas such as hydraulic lifts and cranes on off-shore drilling and production platforms.

They are used in scalpers, excavators and wheel loaders in the forestry industry and in dredges, kelp-cutters and pile drivers in the marine industry.

TYPICAL PROPERTIES:

CLARION® GREEN A/W OILS

ISO VIS Grade	22	32	46	68
Material Code	633550009	633551009	633552009	633553009
Color	Light Green	Light Green	Light Green	Light Green
Gravity, ASTM D 4052, °API	33.0	32.5	32.3	31.6
Flash Point, COC, ASTM D 92, °F	400	400	446	496
Viscosity,				
ASTM D 445, cSt at 100°C	4.3	5.6	7.2	9.3
ASTM D 445, cSt at 40°C	21.5	33.1	46.7	64.2
Viscosity Index, ASTM D 2270	110	106	104	102
Pour Point, ASTM D 97, °F	-20	-18	-18	-13
Oxidation Life (modified),				
ASTM D 943 (hrs. to 2.0 Acid No.)	15,000+	15,000+	15,000+	15,000+
Water Separation Time, ASTM D 1401				
minutes at 130°F	40-40-0(5)	40-40-0(5)	40-40-0(5)	40-40-0(5)
Four Ball EP Wear, mm				
ASTM D 4172-A (20kg)	0.48	0.46	0.43	0.42
ASTM D 4172-B (40kg)	0.58	0.56	0.55	0.55