



CLARION® GREEN A/W OILS

Date 08/11

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 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 mysid shrimp, rainbow trout and fathead minnow.

Clarion Green A/W Oils have excellent thermal and oxidative stability, 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 excellent 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
Gravity, ASTM D 4052, °API	33.0	32.5	32.3	31.6
Flash Point, COC, ASTM D 92, °F	400	400	402	468
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 (°C)	0 (-18)	0 (-18)	3 (-16)	15 (-9)
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