

258 | Odyssey AW

Synthetic Blend Industrial Hydraulic Oil

DESCRIPTION:

Odyssey AW Synthetic Blend Hydraulic Oils are ideal for a wide variety of industrial hydraulic applications. They are available in ISO grades with excellent oxidation stability, low temperature flow characteristics, and high viscosity index.

COMPOSITION:

Odyssey AW fluids contain the following additives:

- Anti-wear Agents
- Rust Inhibitors
- Anti-foam Agents
- Corrosion Inhibitors
- Oxidation Inhibitors
- Pour Point Depressants

**PERFORMANCE
CHARACTERISTICS:**

Synthetic base stocks are incorporated in these fluids which have excellent resistance to oxidation emulsification, and high resistance to foaming.

Oxidation unchecked is approximately doubled for every 20 degree rise in temperature. Oxidation is prevented which can clog small orifices and tightly fitted parts and lead to corrosion of metal surfaces. Special additives prevent rusting by forming a protective film on metal surfaces.

With their high viscosity indices, these oils show very little flow rate change regardless of changes in pressure and temperature and prevent loss of pressure around seals.

The positive lubrication provided reduces fluid operating temperatures and provides better overall mechanical efficiency combined with less power consumption. It is extremely inexpensive due to its long life and reduced wear and tear on parts.

USES:

Engineered to give efficient operation and excellent lubrication in all types of industrial hydraulic applications and operating conditions, performance far exceeds the anti-wear requirements for Vickers Pumps as shown in the Vickers Pump Test. Meets and exceeds Vickers' requirement for a "high zinc" type anti-wear hydraulic oil. Meets and exceeds also Denison Pump Division HF-2 and HF-O specifications.

Formulated to meet and exceed the requirements of Cincinnati Milacron (See Industrial Hydraulic Oils Performance Supplement).

APPLICATIONS:

- Construction Equipment
- Plant Hydraulics, Gear Boxes & Bearings
- Drilling Equipment
- Deck & Cargo Handling Equipment
- Mining Equipment
- Hatch Covers
- Logging Equipment
- Winches
- Hydraulic Platforms
- Cranes
- Air Compressors
- Draglines



PRIMROSE PLUS

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TYPICAL SPECIFICATIONS:

ISO Viscosity Grade		32	46	68
Viscosity				
SUS @ 100°F.	D-2161	150	215	315
cSt @ 100°C.	D-2161	5.5	6.9	8.8
cSt @ 40°C.	D-445	32	46	68
Viscosity Index	D-2270	106	105	102
Flash, °F.	D-92	400	425	445
Pour, °F.	D-97	-25	-25	-20
Gravity, °API	D-287	31.9	31.6	29.8
Total Acid Number				
mg KOH/g	D-664	1.3	1.3	1.3
Copper Strip, 3 hr/212°F.	D-130	1	1	1
Conradson Carbon, %	D-189	.25	.25	.25
Aniline Point, °F.	D-611	222	235	245
Demulsibility at 130°F.	D-1401			
Separation, minutes		15	15	15
Foam, Tendency/Stability	D-892			
Sequence 1, ml.		25/0	25/0	25/0
Sequence 11, ml.		25/0	25/0	25/0
Sequence 111, ml.		25/0	25/0	25/0
Rust, Distilled Water	D-665A	Pass	Pass	Pass
Rust, Synthetic Sea Water	D-665B	Pass	Pass	Pass
Oxidation Stability, hrs.	D-943	3800	3800	3800
4-Ball Wear Scar, mm. (20 kg. 1800 rpm, 130°F, 60 min.)	D-2266	.35	.35	.35
Vickers Pump Test				
(mg. wt. loss)	D-2882	3	3	3
Appearance	Visual	Bright	Bright	Bright