



Outstanding Quality Products  
Competitive Prices  
Superior Service

# MILES STRATUS

Anti-Wear Hydraulic Fluid

## PRODUCT PERFORMANCE:

Miles STRATUS AW Oils are high performance, anti-wear hydraulic oils designed for heavy-duty hydraulic systems operating over a wide range of temperatures. They produce excellent results in a wide variety of high pressure hydraulic systems found on industrial machinery, ships, woodlands and mining operations, and other mobile equipment.

Miles STRATUS AW Oils are an exclusive blend of exceptionally pure Hydro Treated base oils (Hydrocracking), and specially selected additives that deliver outstanding performance and extended service life.

## RECOMMENDED FOR:

Miles STRATUS AW Oils are recommended for heavy-duty high-pressure hydraulic systems operating over a wide range of temperatures. They may be used in systems equipped with fine filters without loss of additives or causing filter plugging.

Because of their long life, rust and foam inhibiting features, STRATUS AW Oils may be used to lubricate anti-friction bearings and gears found in circulation, splash, bath and ring-oiled systems.

Miles STRATUS Oils are approved against the following hydraulic pump manufacturers' specifications:

**Dennison HF-o**  
**Vickers 35VQ25**  
**Cincinnati-Milacron P-68, P-69, P-70**

Miles STRATUS Oils are recommended for piston, gear and vane pumps, including those manufactured by:

**Vickers, Hagglunds - Dennison, Cincinnati- Milacron, Sundstrand  
Rexroth- Mannesman, Racine, Oilgear , Hydreco and Dynex**

## Features and Benefits

- **Outstanding oxidation and thermal stability**
  - Longer life, which extends the time between oil changes
  - Elimination of harmful sludge and varnish which can restrict lubricant flow and accelerate component wear
  - Reduces operating and maintenance costs
- **Superior anti-wear protection**
  - Improves equipment reliability in all types of piston, gear and vane hydraulic pumps operating over a wide range of pressures
- **Superior rust and corrosion protection**
  - Iron and metal components protected against water damage
  - Reduces maintenance costs
- **Excellent water separability and hydrolytic stability**
  - Reusable after water is removed because STRATUS Oils separate readily from water without loss of performance additives
- **Improved foam and air entrainment performance**
  - Prevents overflowing of circulating oil reservoirs
  - Ensures a lubricant film continues to protect metal surfaces
  - Eliminates damage to circulating oil pumps due to cavitation

## Typical Properties

ISO Grade		32	46	68	100	150
Viscosity cSt at 40 °C Sus / 100 °F	D445	32.0 150	47.0 200	68.4 300	94.6 500	150.0 699
Viscosity Index	D2270	99	99	93	100	95
Flash Point, °F	D92	429.8	431.6	438.8	467.6	465
Pour Point, °F	D97	-32.8	-27.4	-27.4	-16.6	15
Oxidation Stability, hours	D943	8000	8000	8000	8000	8000
Rust Test A & B 48 hour	D6665	PASS	PASS	PASS	PASS	PASS
Pump Wear Test Denison Vane, T-52 Vickers 35VQ25	Denison HF-0 Vickers M-2950-S	PASS PASS	PASS PASS	PASS PASS	PASS PASS	PASS PASS
Four Ball Wear, scar diameter mm	D4172B	0.5	0.5	0.4	0.4	0.4
Water Separability 129.2 °F	D1401	40-40-0 (15)	41-39-0 (10)	40-40-0 (10)	179.6 °F 40-39-1 (20)	10
Heat Test	CM P-68	PASS	PASS	PASS	PASS	PASS

\*For Celsius conversion to Fahrenheit: (1.8 X degrees Celsius) + 32