



# Econex

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## Non-Detergent Anti-Wear Lubricating Oil

### General Description

Econex is a non-detergent anti-wear hydraulic oil formulated with a low-zinc anti-wear additive package to offer superior protection against gear, vane and pump wear. This oil is recommended for use in precision hydraulic applications where an anti-wear oil is specified and a specific non-detergent oil is recommended.

Econex oils are blended using high quality base oils with a balanced additive system to provide exceptional anti-wear and anti-foam characteristics. This oil is formulated to provide superior stability under thermal or oxidative stress.

### Features and Benefits

- **Anti-wear Prevention:** Excellent anti-wear fluid with exceptional protection capabilities, leading to less downtime and equipment repairs.
- **Thermal Stability:** Exceptional at handling thermal stability under increased temperatures and oxidative stress.
- **Foam Control:** A balanced anti-foam system promotes rapid air release and minimizes foam.
- **Meets a majority of equipment requirements for hydraulic systems, air compressors, vacuum pumps and hand oilers for machine parts.**

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### Typical Applications

Econex oils provide the following manufacturers' performance levels:

- Cincinnati Milacron P-68, P-69, P-70
- Vickers I-286-S
- U.S. Steel 136, 127
- ASTM D-943 Oxidation Test: Exceeds 1000 Hours

### Typical Customers

Owners and operators of:

- Hydraulic Systems
- Air compressors and vacuum pumps
- General purpose lubrication
- Oil-bath air cleaners
- Hand oilers for machine parts, bearings, cams, gears, etc.

### Typical Properties

ISO Viscosity Grade	32	68	100	220
Approximate SAE Grade	(10W)	(20)	(30)	(50)
Viscosity @ 100°C, cSt SUS	5.3 43.3	8.9 54.3	11.6 63.1	19.4 91.7
@ 40°C, cSt SUS	31.4 142	69.8 306	101.8 446	216.2 940
Viscosity Index	100	100	101	102
Pour Point, °F/°C	-38 / -39	-27 / -33	-22 / -30	21 / -6
API Gravity / lbs./gal	32.6 / 7.18	30.4 / 7.28	30.7 / 7.26	27.5 / 7.41
Flash Point, °F	405	440	485	470

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

### Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit [cenex.com/sds-library](http://cenex.com/sds-library).