



The Elco Corporation

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## Elco 126 Antiwear Hydraulic Oil Additive

### Features

Elco 126 is a multifunctional additive for use in preparing hydraulic fluids. When formulated in a suitable base stock, Elco 126 imparts these benefits:

- Extended oil life and pump durability
- Antiwear and EP performance
- Good antifoam and demulsibility characteristics
- Excellent thermal and oxidation stability
- Inhibits steel and yellow metal corrosion

### Application

Treated at 0.5% weight in suitable base stocks, Elco 126 will meet or exceed the requirements of:

- U.S. Steel 127, 136
- DIN 51524 Part II

### Characteristics

<u>Physical</u>	<u>Typical</u>
Flash Point	130°C min
Specific Gravity	1.17 (9.8 lb/gal)
Viscosity @ 40°C	1000 cSt
<u>Chemical</u>	
Phosphorus	9.0%
Sulfur	18.5%
Zinc	10.0%

### Recommended Blending, Handling and Storage Conditions

Elco 126 can be blended with mechanical or in-line blending equipment at temperatures not above 140°F (60°C) or below 60°F (16°C). The additive can be heated to 140°F (60°C) for unloading or transfer, but should not be stored for long periods at temperatures over 120°F (50°C).

# Elco 126

## Antiwear Hydraulic Oil Additive

### Performance Characteristics

Formulation: 0.5 wt% Elco 126 in an ISO 46 Hydro-treated Base Oil

Bench Test	Test Method	Results
Copper Corrosion	ASTM D 130	1a
Demulsibility Oil-water-emulsion (minutes)	ASTM D 1401	40-40-0 (25)
Filterability Index, Wet	AFNOR	1.67
Foam	ASTM D 892	
1 <sup>st</sup> Sequence		10/0
2 <sup>nd</sup> Sequence		0/0
3 <sup>rd</sup> Sequence		0/0
FZG, Damage Stage Conditions A/8.3/90	DIN 51354	12
Oxidation Hrs to 2.0 NNA	ASTM D 943	2000+
Steel Corrosion	ASTM D 665	
A		Pass
B		Pass
Vickers Pump, 104C	ASTM D 2882	
Vane, mg		0.3
Ring, mg		20.6
Total, mg		20.9

Rev. 10/03