



TECHNICAL DATA BULLETIN

4046 QUINPLEX[®] Synthetic Food Grade Oil

DESCRIPTION:

Meets the requirements of USDA H1*. Food grade oil containing LE's proprietary additive QUINPLEX. 100% synthetic base stock. Has excellent load carrying abilities and antiwear properties. Rust and oxidation inhibited. Excellent seal compatibility. Superior low temperature performance characteristics.

PHYSICAL CHARACTERISTICS—TYPICAL:

ISO Grade	46
Equivalent SAE Grade	10
Gravity, °API	38.0
Viscosity	
SUS @ 100°F	235.5
SUS @ 210°F	51.76
cSt @ 40°C	46.23
cSt @ 100°C	7.73
Viscosity Index, min.	125
Flash Point, °F (°C)	530 (276)
Pour Point, °F (°C)	-65 (-54)

TEST RESULTS:

Vickers Vane Pump Test	
ASTM D-2882, Total Wt. Loss, mg	15.9
Rotary Pressure Vessel Oxidation Test	
ASTM D-2272, minutes	1000
Four Ball Wear	
40 kg, 75°C, 200 rpm, 1 hr.	
ASTM D-4172, mm	0.39

APPLICATION:

For use in bearings, bushings, chains and hydraulics in normal ambient temperatures and in extreme cold conditions such as blast freezers and cold rooms. LE's 4046 is also suitable for rotary screw air compressors that require an H1 lubricant.

LEADERS IN LUBRICANTS

LUBRICATION ENGINEERS, Inc.

BENEFICIAL QUALITIES:

Excellent load carrying abilities.

Meets the requirements of USDA H1*.

Excellent antiwear properties.

Superior low temperature performance.

100% synthetic base stock.

Rust and corrosion protection.

Contains QUINPLEX®.

Excellent seal compatibility (Nitrile and Viton).

* Formerly named Quinplex® Low Temperature Food Grade Oil.

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