

TECHNICAL BULLETIN

HYDRAULIC FLUID

DESCRIPTION: LSCL

LubriSilk® LSHF- 46 is an ashless, multifunctional hydraulic fluid suitable for most applications where biodegradability, and performance are required.

- Contains no Zinc or other heavy metals.
- Extended oil life and pump durability.
- Anti-wear and EP performance
- Filterability and Demulsibility
- Excellent thermal and oxidation stability.
- Compatible with most other hydraulic fluids.
- Biodegradable.

USAGE:

Use in any application calling for multifunctional hydraulic fluid in a one-for-replacement.

APPLICATIONS:

Use in any application calling for multifunctional hydraulic fluid where biodegradability, and performance are required.

SPECIFICATIONS:

- Contains no Zinc or other heavy metals.
- Extended oil life and pump durability.
- Anti-wear and EP performance
- Filterability and Demulsibility
- Excellent thermal and oxidation stability.
- Compatible with most other hydraulic fluids.
- Biodegradable.

TEST RESULTS: METHOD RESULTS

Copper Corrosion: D-130.....1B

Steel Corrosion: D- 665 A, B.....Pass

Demulsability: D-1401.....40-40-0 (15)

Foam: D-892

Sequence I.....0/0

Sequence II.....0/0

Sequence III.....20/0

Thermal Stability: D-2070

Appearance of copper rod.....6

Appearance of steel rod.....2

Sludge, mg/100mL.....2.8

Hydrolytic Stability: D-2619

Copper wt. loss mg/cm20.034

TAN, Water layer.....3.7

Filtration: Denison

Time to filter dry, s165

Time to filter , 2% water, s244

Wear, four ball , scar, mm: D-4172

Condition-40kg, 1800 rpm,130F, 1hr..0.40

Oxidation, hr.: D-943.....7600

Oxidation, 1000 hr.D-4310

Cu, mg10.7

Fe, mg.<1

Total Sludge, mg.24.6

EP, Four Ball: D-2783

LWI.....33.95

Weld Load, kg.126

Vane PumpD-2882

Vane and Ring loss, mg.....<1

PROPERTIES:

- ISO VG: ASTM D-24.....2232/46
- SAE GRADE.....5W-20
- VISCOSITY INDEX:
 ASTM D-2270.....187
- SPECIFIC GRAVITY:
 ASTM D-129.....8.918
- FLASH POINTASTM-D92310 C.
- FIRE POINT:
 ASTM D-92.....>350 C.
- POUR POINT:
 ASTM D-97.....-45 C.
- BIODEGRADABILITY:
 CEC L-33-T-82.....80
- DIELECTRIC STRENGTH:
 ASTM D-877.....48kV

PACKAGING:

5-GAL PAILS, 55-GAL DRUMS – Other packaging is available.