

LIEBHERR

CONSTRUCTION EQUIPMENT



145797-1218 LIEBHERR LH80M 145797-1218 - Swing Drive

Sample No: LH0257719

Oil Type: LIEBHERR GEAR BASIC 90 LS



TEXAS PORT RECYCLING - HOUSTON PORT
8945 MANCHESTER ST
HOUSTON, TX
US 77012
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Sample Information

Sample Number	LH0257719	---	---	---
Sample Date	09 Apr 2024	---	---	---
Machine Hours	1579	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 131	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 1	---	---	---



Wear Metals

Iron	ppm	● 302	---	---	---
Copper	ppm	● 164	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 10	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 4	---	---	---
Molybdenum	ppm	● 7	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 91	---	---	---
Magnesium	ppm	● 41	---	---	---
Zinc	ppm	● 64	---	---	---
Phosphorus	ppm	● 2242	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 203	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: TEXHOUWC
Unique No: 11088017
Signed: Sean Felton
Report Date: 21 Jun 2024

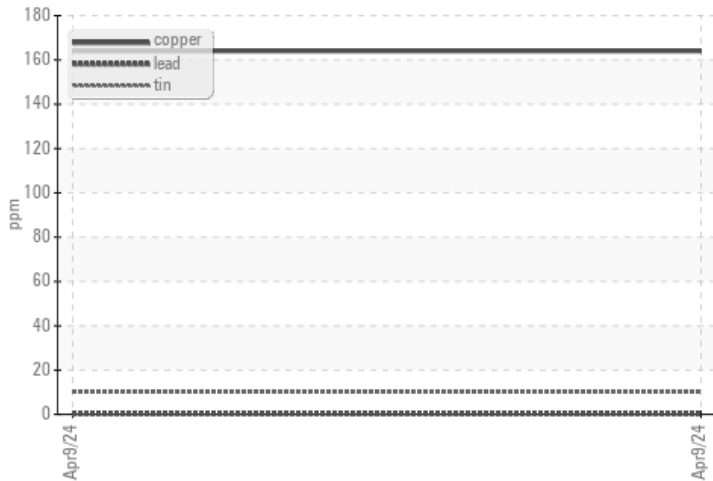


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

