

LIEBHERR

CONSTRUCTION EQUIPMENT



145797-1218 LIEBHERR LH80M 145797-1218 - Swing Drive

Sample No: LH0257706

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	LH0257706	LH0257719	---	---
Sample Date	10 Jun 2024	09 Apr 2024	---	---
Machine Hours	2017	1579	---	---
Oil Hours	1000	500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 139	● 131	---	---
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Contamination

Water	%	● 0.346	NEG	---	---
Silicon	ppm	● 4	● 3	---	---
Sodium	ppm	● 1	● <1	---	---
Potassium	ppm	● 2	● 1	---	---



Wear Metals

Iron	ppm	● 526	● 302	---	---
Copper	ppm	● 323	● 164	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 19	● 10	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● 6	● 4	---	---
Molybdenum	ppm	● 8	● 7	---	---
Nickel	ppm	● 3	● 2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 4	● 2	---	---
Vanadium	ppm	<1	0	---	---



Additives

Calcium	ppm	● 196	● 91	---	---
Magnesium	ppm	45	● 41	---	---
Zinc	ppm	● 146	● 64	---	---
Phosphorus	ppm	● 2434	● 2242	---	---
Barium	ppm	● 2	● <1	---	---
Boron	ppm	● 70	● 203	---	---

Diagnosis

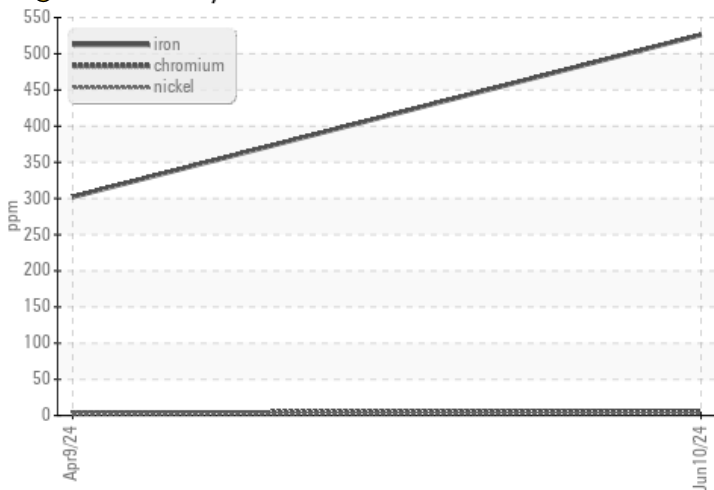
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: TEXHOUWC
Unique No: 11100904
Signed: Don Baldrige
Report Date: 29 Jun 2024

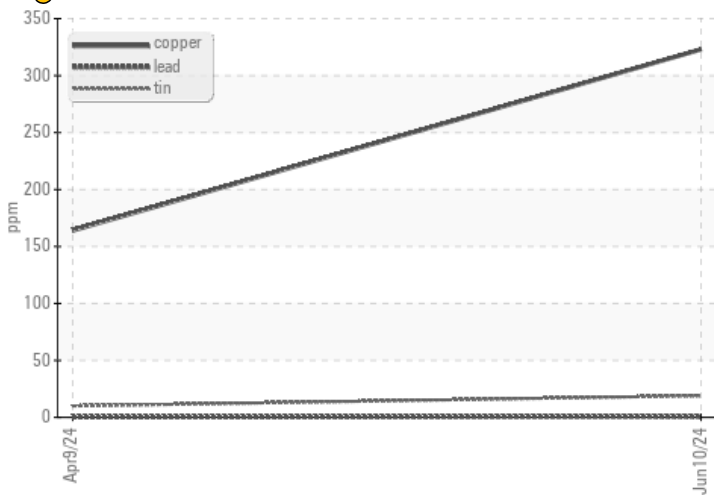


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

