

LIEBHERR

CONSTRUCTION EQUIPMENT



145797-1218 LIEBHERR LH80M 145797-1218 - Rear Differenti

Sample No: LH0257707

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0257707	LH0257721	---	---
Sample Date	10 Jun 2024	09 Apr 2024	---	---
Machine Hours	2017	1579	---	---
Oil Hours	1000	500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

TEXAS PORT RECYCLING - HOUSTON PORT
 8945 MANCHESTER ST
 HOUSTON, TX
 US 77012
 Contact: Dale Shaw
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 T:
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Oil Condition

Visc @ 40°C	cSt	● 138	● 132	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 5	● 3	---	---
Sodium	ppm	● 3	● 2	---	---
Potassium	ppm	● 1	● 2	---	---

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.



Wear Metals

Iron	ppm	● 16	● 10	---	---
Copper	ppm	● 6	● 6	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 5	● 6	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 1	● <1	---	---
Vanadium	ppm	<1	0	---	---



Additives

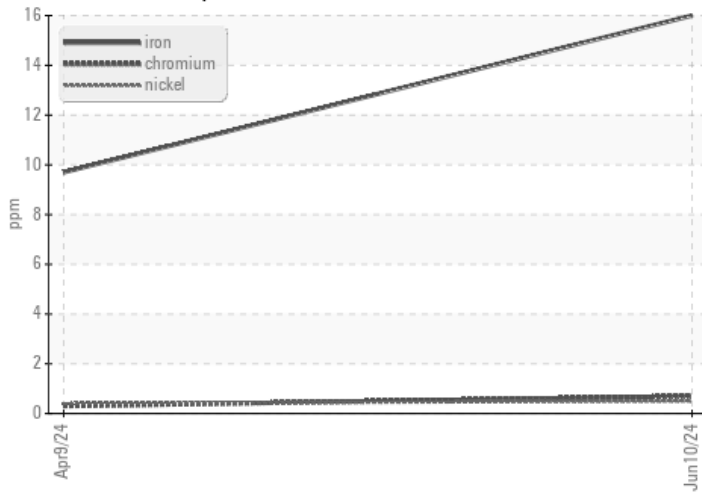
Calcium	ppm	● 107	● 85	---	---
Magnesium	ppm	● 29	● 34	---	---
Zinc	ppm	● 78	● 57	---	---
Phosphorus	ppm	● 2506	● 2401	---	---
Barium	ppm	● 1	● <1	---	---
Boron	ppm	● 109	● 146	---	---

Depot: TEXHOUWC
 Unique No: 11100907
 Signed: Don Baldrige
 Report Date: 29 Jun 2024

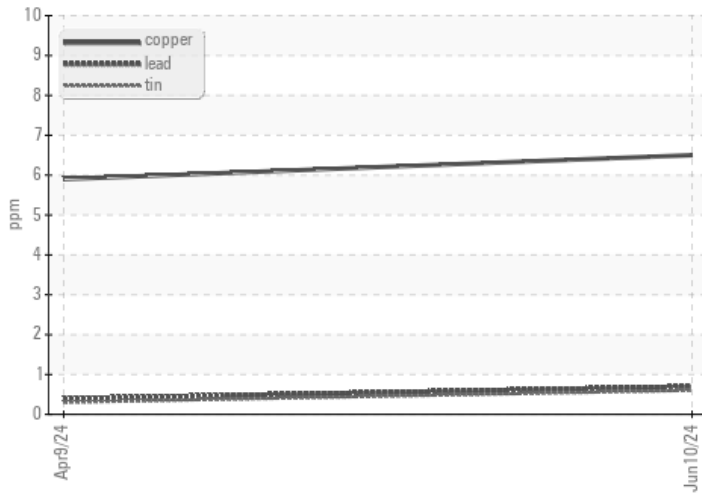


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

