

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-123497 - Front Differential

Sample No: LH0273453

Oil Type: SUPER S 80W90 LS



SPARTAN RECYCLING
 3071 HOWARD ST
 SPARTANBURG, SC
 US 29303
 Contact: SERVICE MANAGER

T:
 F:



Sample Information

Sample Number	LH0273453	LH0212304	---	---
Sample Date	20 Jun 2024	30 Dec 2021	---	---
Machine Hours	5603	981	---	---
Oil Hours	500	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 112	● 121	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 1	● 4	---	---
Sodium	ppm	● <1	● 1	---	---
Potassium	ppm	● 1	● 0	---	---



Wear Metals

Iron	ppm	● 17	● 5	---	---
Copper	ppm	● 1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 3	● 0	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	<1	● <1	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	41	● 192	---	---
Magnesium	ppm	3	● <1	---	---
Zinc	ppm	19	● 106	---	---
Phosphorus	ppm	360	● 452	---	---
Barium	ppm	0	● 0	---	---
Boron	ppm	14	● 82	---	---

Diagnosis

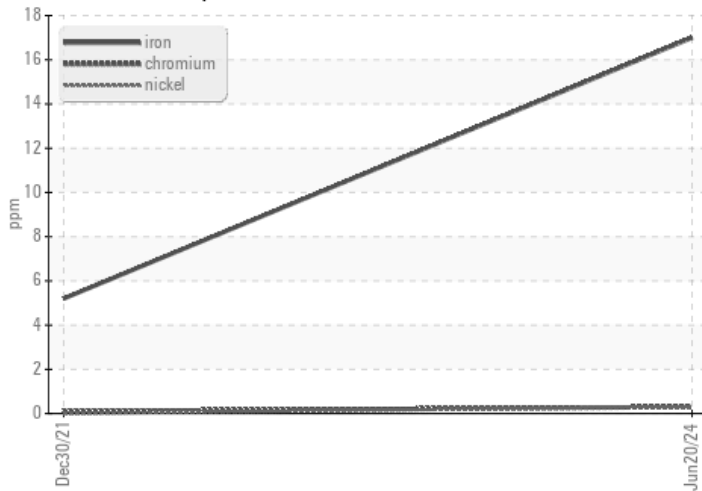
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SPASPALH
 Unique No: 11100840
 Signed: Don Baldrige
 Report Date: 29 Jun 2024

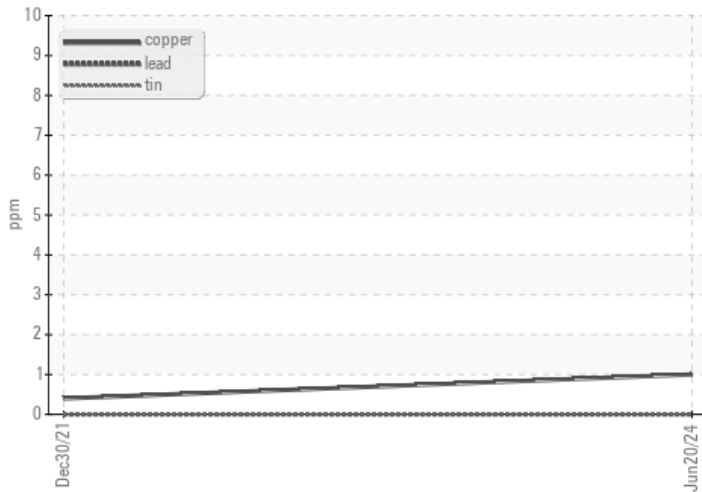


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

