

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-115017 - Splitter Box

Sample No: LH0263950

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0263950	LHMC160760	LH0153418	LHMC167505
Sample Date	30 Jan 2024	13 Dec 2022	21 Sep 2022	15 Apr 2022
Machine Hours	8879	6515	6081	5210
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTER RECYCLING

2175 BADGERLAND DR

GREEN BAY, WI

US 54303

Contact: LORI GRAVES

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OIL CONDITION

Visc @ 40°C	cSt	113	130	135	144
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	<1	1	1
Sodium	ppm	1	1	0	0
Potassium	ppm	0	2	3	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	9	11	15	23
Copper	ppm	3	<1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	45	58	73	90
Magnesium	ppm	5	11	23	12
Zinc	ppm	48	44	44	40
Phosphorus	ppm	825	834	810	1291
Barium	ppm	0	0	0	0
Boron	ppm	4	11	16	20

Depot: ALTGRE

Unique No: 10871839

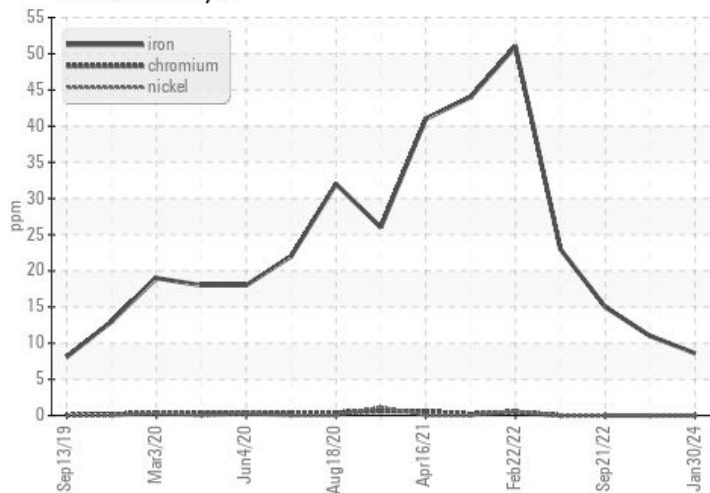
Signed: Sean Felton

Report Date: 12 Feb 2024

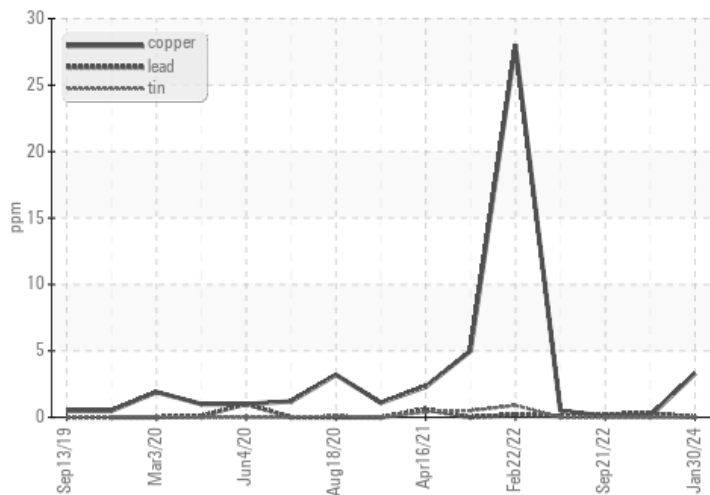


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

