

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-115017 - Transmission

Sample No: LH0263954

Oil Type: CHEVRON DELO LE 5W40



ALTER RECYCLING

2175 BADGERLAND DR
GREEN BAY, WI
US 54303

Contact: LORI GRAVES
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F:

Diagnosis

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



SAMPLE INFORMATION

Sample Number	LH0263954	LH0243329	LH0243376	LH0153420
Sample Date	30 Jan 2024	29 Sep 2023	03 Apr 2023	21 Sep 2022
Machine Hours	8879	8189	7172	6081
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	50.5	48.0	46.9	49.0



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	6	6	5
Sodium	ppm	0	1	2	2
Potassium	ppm	4	3	3	3



WEAR METALS

Iron	ppm	8	8	11	9
Copper	ppm	5	6	8	8
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	0	0	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	8	14	4	6
Nickel	ppm	0	0	<1	0
Titanium	ppm	94	73	78	62
Silver	ppm	0	0	0	0
Manganese	ppm	1	3	6	4
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

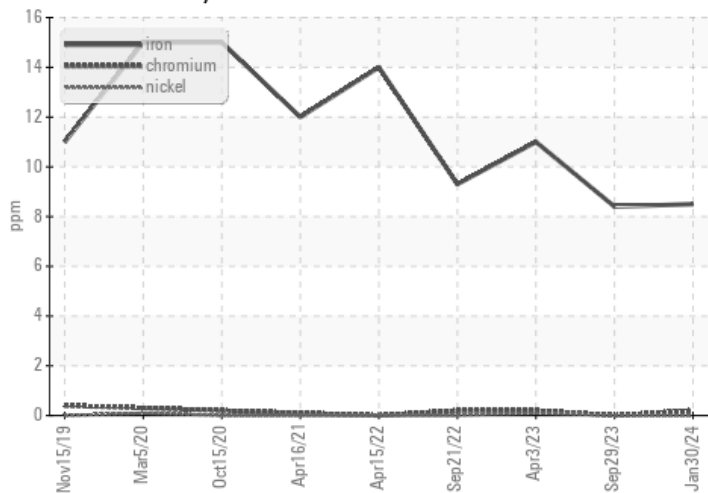
Calcium	ppm	1288	1257	1346	1466
Magnesium	ppm	756	697	599	657
Zinc	ppm	1205	1138	1074	1076
Phosphorus	ppm	972	1009	955	945
Barium	ppm	5	0	0	0
Boron	ppm	158	138	163	145

Depot: ALTGRE
Unique No: 10863085
Signed: Don Baldrige
Report Date: 07 Feb 2024

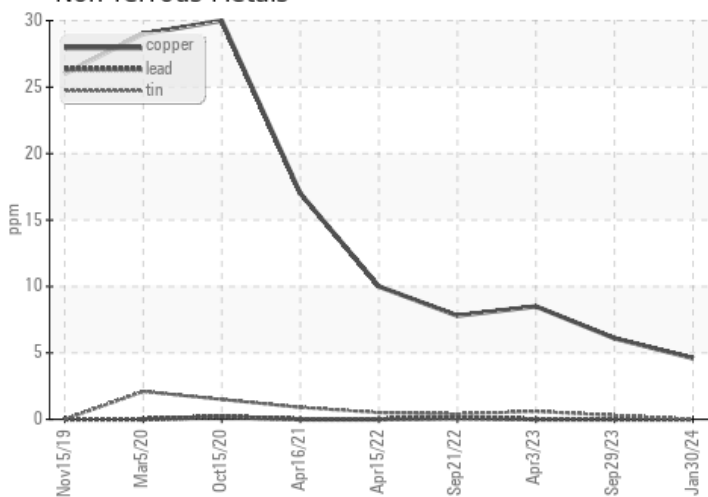


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

