

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30 119194-1253 - Splitter Box

Sample No: LH0243142

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0243142	LH0190918	LHMC158336	LHMC158330
Sample Date	20 Oct 2023	16 Feb 2022	12 Apr 2021	30 Nov 2020
Machine Hours	6882	3897	2260	1715
Oil Hours	632	500	191	665
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

TIMBER PRODUCTS

11256 E STATE HWY M28
MUNISING, MI
US 49862
Contact: RICH ALDRICH
raldrich@timberproducts.com
T: (906)452-7013
F:



OIL CONDITION

Visc @ 40°C	cSt	113	140	157	140
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CONTAMINATION

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



WEAR METALS

Iron	ppm	44	70	38	874
Copper	ppm	1	1	21	44
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	1	1
Aluminum	ppm	<1	1	0	3
Chromium	ppm	<1	<1	<1	7
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	2	1	7
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	170	46	55	9
Magnesium	ppm	4	4	9	2
Zinc	ppm	74	56	33	16
Phosphorus	ppm	1324	1901	1777	1867
Barium	ppm	0	0	1	0
Boron	ppm	240	126	76	120

Diagnosis

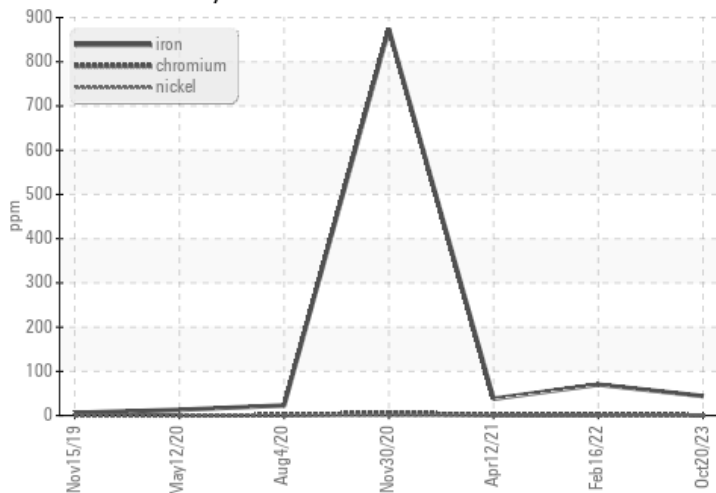
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: TIMMUN
Unique No: 10896930
Signed: Sean Felton
Report Date: 26 Feb 2024

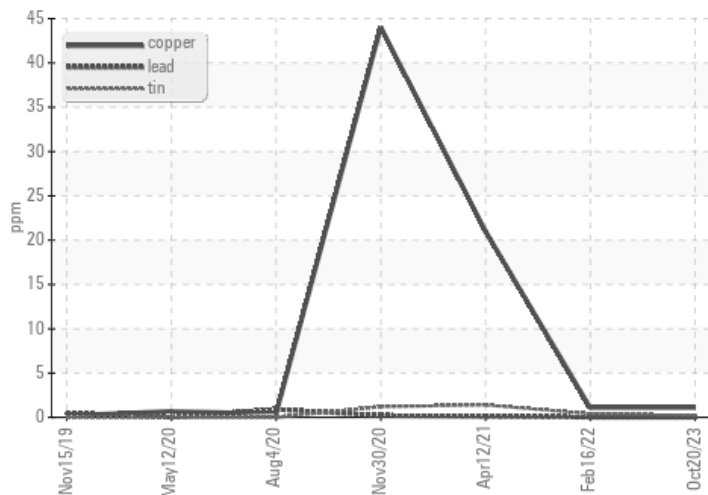


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

