

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1200-79283 - Swing Drive

Sample No: LH0272380

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0272380	LH0258352	LH0203823	LH0208037
Sample Date	10 Jun 2024	14 Mar 2024	22 Dec 2022	08 Nov 2021
Machine Hours	21047	20566	17772	14523
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	SEVERE	ABNORMAL	ABNORMAL

GREEN METALS INC

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Oil Condition

Visc @ 40°C	cSt	200	255	275	263
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Contamination

Water	%	NEG	2.55	NEG	NEG
Silicon	ppm	4	2	7	6
Sodium	ppm	3	1	0	<1
Potassium	ppm	3	0	<1	0



Wear Metals

Iron	ppm	468	1115	1833	2103
Copper	ppm	72	329	676	714
Lead	ppm	<1	5	0	<1
Tin	ppm	6	23	27	47
Aluminum	ppm	<1	<1	4	4
Chromium	ppm	4	9	8	6
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	1	2	0	5
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	4	9	12	13
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	16	17	33	12
Magnesium	ppm	1	0	1	<1
Zinc	ppm	11	25	34	36
Phosphorus	ppm	2376	2717	2284	2534
Barium	ppm	<1	0	0	0
Boron	ppm	4	6	2	9

Diagnosis

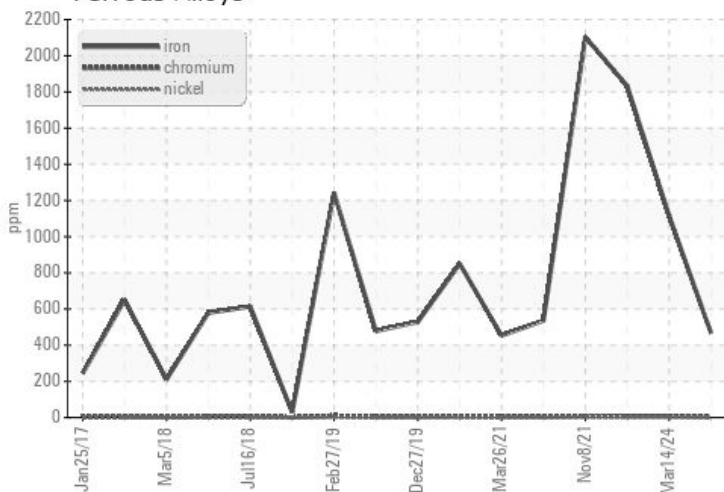
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: GREPRILH
Unique No: 11085544
Signed: Wes Davis
Report Date: 19 Jun 2024

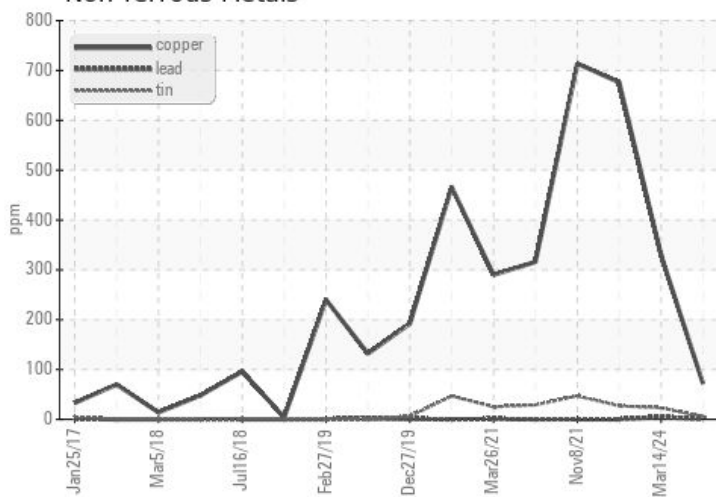


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

