

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1200-79283 - Swing Drive

Sample No: LH0258352

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258352	LH0203823	LH0208037	LH0166790
Sample Date	14 Mar 2024	22 Dec 2022	08 Nov 2021	17 May 2021
Machine Hours	20566	17772	14523	13089
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	ABNORMAL	ABNORMAL	NORMAL

GREEN METALS INC

234 E 350 S
PRINCETON, IN
US 47670
Contact: Keith May
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OIL CONDITION

Visc @ 40°C	cSt	255	275	263	217
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CONTAMINATION

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



WEAR METALS

Iron	ppm	1115	1833	2103	536
Copper	ppm	329	676	714	316
Lead	ppm	5	0	<1	<1
Tin	ppm	23	27	47	29
Aluminum	ppm	<1	4	4	<1
Chromium	ppm	9	8	6	4
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	2	0	5	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	9	12	13	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	17	33	12	3
Magnesium	ppm	0	1	<1	0
Zinc	ppm	25	34	36	23
Phosphorus	ppm	2717	2284	2534	2298
Barium	ppm	0	0	0	1
Boron	ppm	6	2	9	3

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: GREPRILH
Unique No: 10940064
Signed: Angela Borella
Report Date: 25 Mar 2024

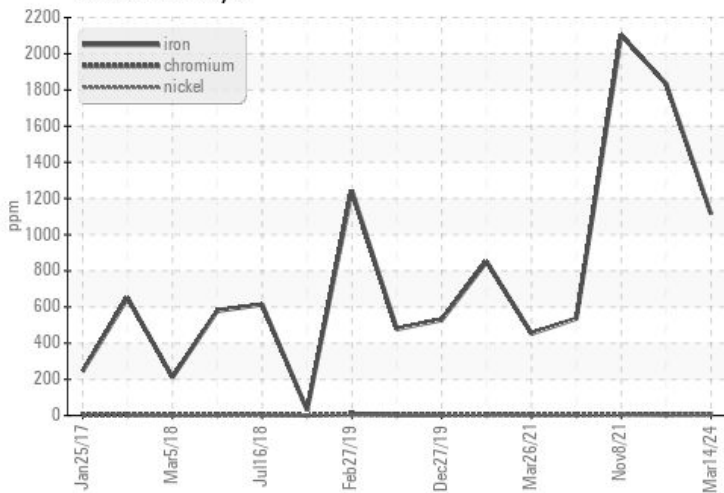
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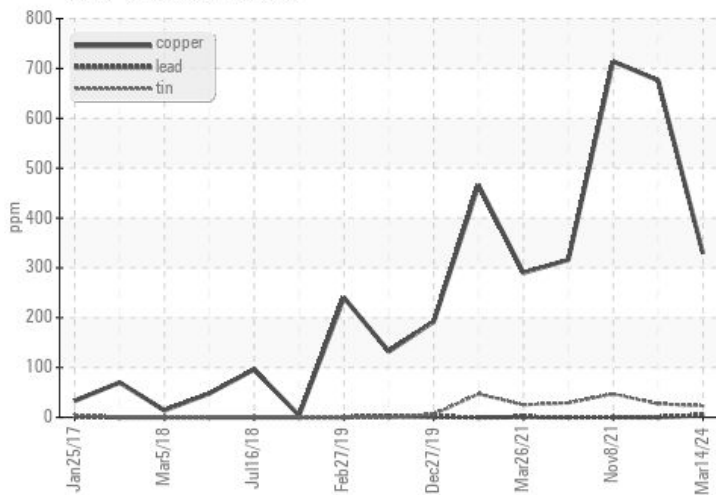


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

