

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 115240-1529 - Swing Drive

Sample No: LH0272834

Oil Type: LIEBHERR GEAR BASIC 90 LS



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SAMPLE INFORMATION

Sample Number	LH0272834	LHMC104499	LHMC116230	LHMC130460
Sample Date	20 Dec 2023	22 Mar 2023	29 Sep 2022	10 Aug 2020
Machine Hours	4719	3682	2906	811
Oil Hours	686	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	168	161	128	124
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	5	<1
Sodium	ppm	<1	0	9	1
Potassium	ppm	1	<1	<1	<1



WEAR METALS

Iron	ppm	274	16	182	26
Copper	ppm	25	2	44	15
Lead	ppm	<1	<1	0	<1
Tin	ppm	3	0	<1	<1
Aluminum	ppm	<1	0	1	0
Chromium	ppm	4	0	<1	<1
Molybdenum	ppm	3	0	2	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	2	<1	2	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	18	147	2	99
Magnesium	ppm	2	2	4	<1
Zinc	ppm	6	150	12	41
Phosphorus	ppm	1726	887	511	637
Barium	ppm	0	0	0	0
Boron	ppm	7	1	0	7

Diagnosis

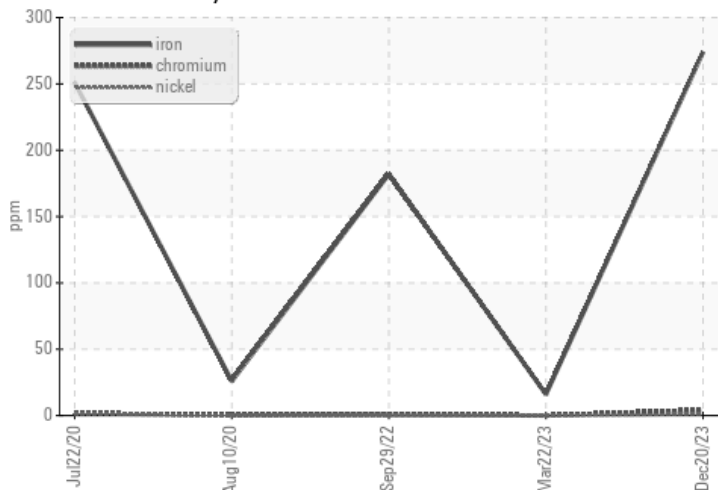
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: DAVLORVA
 Unique No: 10859981
 Signed: Wes Davis
 Report Date: 02 Feb 2024

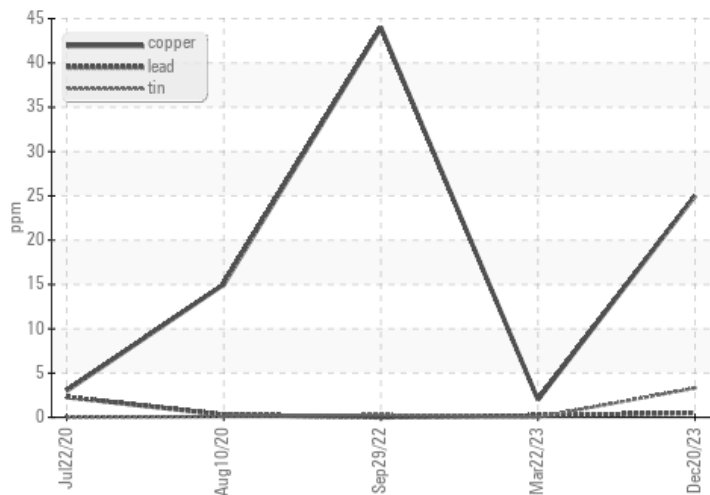


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

