

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R924C 033240-1055 - Swing Drive

Sample No: LH0257985

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0257985	LH0200084	LHMC96904	LHMC045426
Sample Date	13 May 2023	14 Oct 2021	11 Apr 2018	16 May 2017
Machine Hours	8879	8104	5567	4564
Oil Hours	1000	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	SEVERE	SEVERE	SEVERE	SEVERE

OZINGA BROS INC

19001 OLD LAGRANDE RD, SUITE 300
MOKENA, IL
US 60448
Contact: TOM KONIECZNY
tom.konieczny@imcrushingllc.com
T: (847)344-1443
F:



OIL CONDITION

Visc @ 40°C	cSt	155	164	242.5	132.4
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CONTAMINATION

Water	%	1.93	2.41	2.27	2.76
Silicon	ppm	5	5	0	5
Sodium	ppm	1	2	<1	1
Potassium	ppm	3	0	2	0



WEAR METALS

Iron	ppm	1113	936	1231	1096
Copper	ppm	166	328	530	163
Lead	ppm	2	<1	<1	0
Tin	ppm	6	0	6	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	12	10	13	9
Molybdenum	ppm	2	0	0	0
Nickel	ppm	3	2	2	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	13	12	12	7
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	60	91	14	16
Magnesium	ppm	13	21	0	<1
Zinc	ppm	31	37	24	26
Phosphorus	ppm	1848	1092	1639	1360
Barium	ppm	0	0	<1	<1
Boron	ppm	294	251	45	175

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. All other 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: OZIMOKLH
Unique No: 10494797
Signed: Don Baldrige
Report Date: 01 Jun 2023

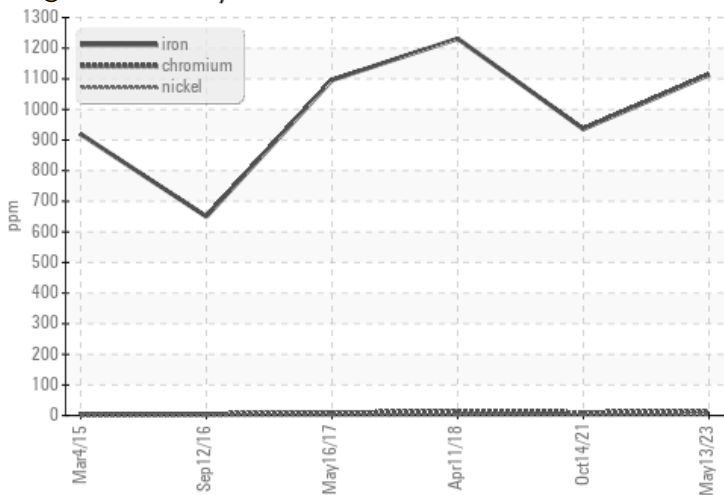
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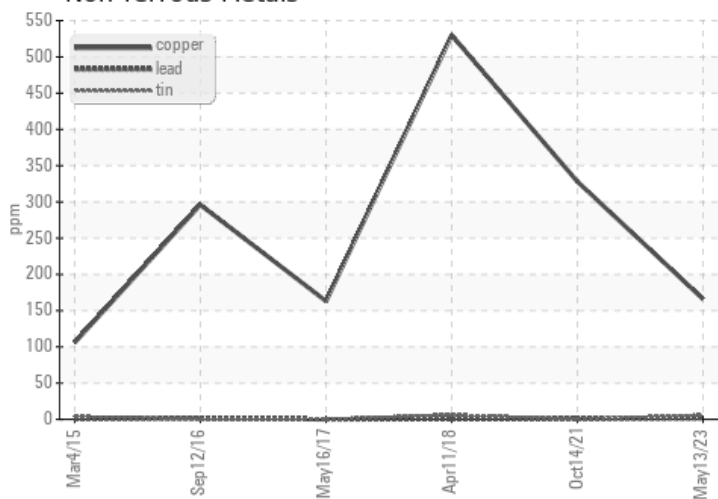


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

