

LIEBHERR

CONSTRUCTION EQUIPMENT



[[BLOOMINGTON IRON]] LIEBHERR A904C 042195-1071 - Swi

Sample No: LH0272955

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 8075 PRODUCTION DRIVE
 FLORENCE, KY
 US 41042
 Contact: TRACEY EDGERTON
 tedgerton@recoequip.com
 T:
 F: (859)727-7974



SAMPLE INFORMATION

Sample Number	LH0272955	LH0190619	LHMC110735	LH0200381
Sample Date	20 Dec 2023	14 Mar 2023	16 Dec 2022	02 Sep 2021
Machine Hours	0	16238	15949	16042
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	SEVERE	ABNORMAL	SEVERE	SEVERE



OIL CONDITION

Visc @ 40°C	cSt	232	208	247	214
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CONTAMINATION

Water	%	3.21	0.337	2.49	2.91
Silicon	ppm	2	<1	4	2
Sodium	ppm	3	<1	1	1
Potassium	ppm	0	0	<1	0



WEAR METALS

Iron	ppm	654	291	861	813
Copper	ppm	87	41	141	156
Lead	ppm	2	0	0	<1
Tin	ppm	3	0	2	2
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	6	2	9	9
Molybdenum	ppm	4	0	<1	<1
Nickel	ppm	1	0	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	6	2	7	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	107	49	17	17
Magnesium	ppm	16	4	3	2
Zinc	ppm	115	0	24	35
Phosphorus	ppm	2232	1862	2205	2222
Barium	ppm	15	0	<1	0
Boron	ppm	5	0	4	15

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LEC0082
 Unique No: 10803357
 Signed: Don Baldrige
 Report Date: 26 Dec 2023

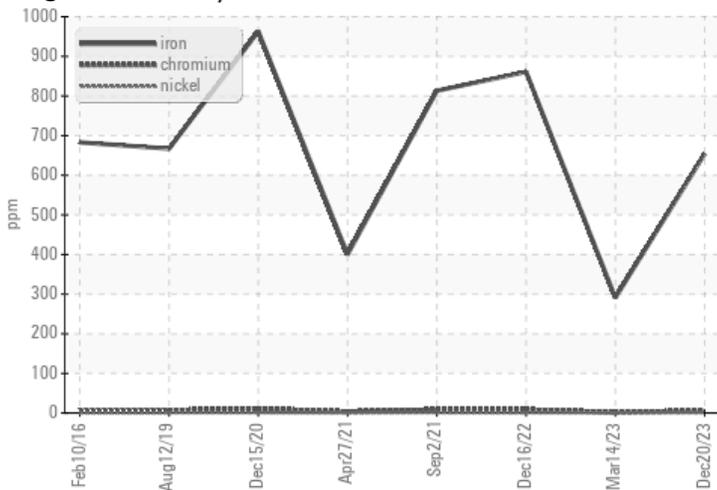
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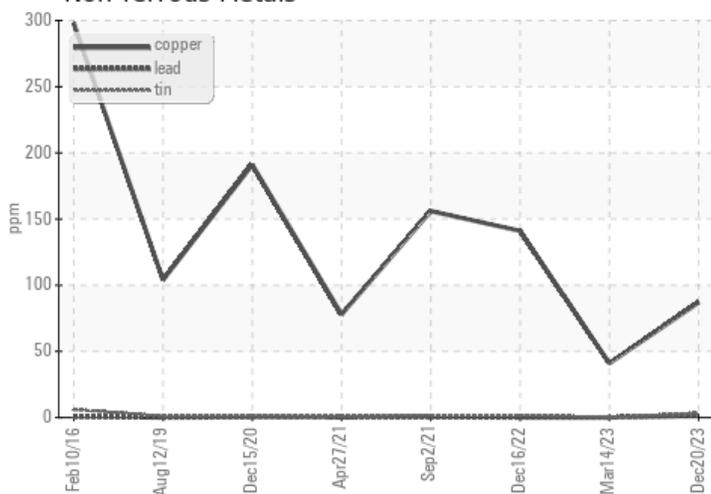


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

