

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A904 052442-1071 - Front Right Wheel Hub

Sample No: LH0268142

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268142	LHMC88682	LHMC84067	LHMC77760
Sample Date	04 Mar 2024	13 Dec 2017	01 May 2017	02 Jun 2016
Machine Hours	14220	4318	3069	2020
Oil Hours	1000	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	N/A
Sample Status	NORMAL	MARGINAL	ABNORMAL	ABNORMAL

SCRAP INTERNATIONAL

940 150TH ST
HAMMOND, IN
US 46327
Contact: RICK BARLAGE



OIL CONDITION

Visc @ 40°C	cSt	141	69.26	68.98	69.7
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T: (219)689-0412
F:



CONTAMINATION

Water	%	NEG	0.289	NEG	NEG
Silicon	ppm	12	11	13	13
Sodium	ppm	2	15	17	16
Potassium	ppm	2	19	<1	6

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.



WEAR METALS

Iron	ppm	156	52	63	40
Copper	ppm	10	62	77	58
Lead	ppm	2	3	2	0
Tin	ppm	<1	0	3	0
Aluminum	ppm	3	<1	<1	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	1	0	0	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	2	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

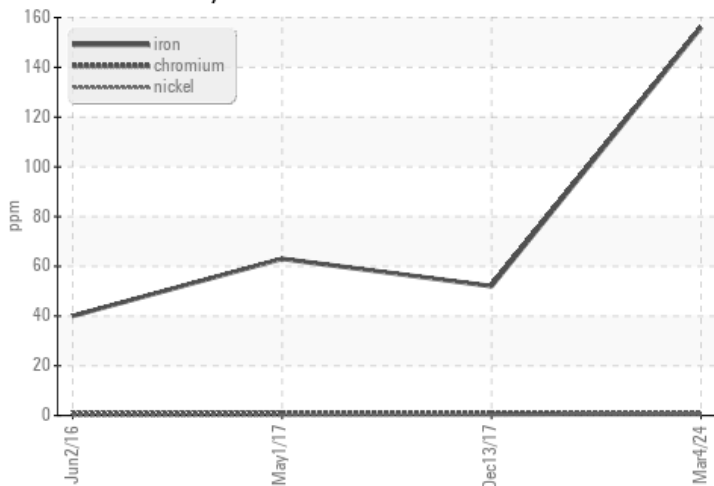
Calcium	ppm	170	3357	3404	3488
Magnesium	ppm	9	8	10	8
Zinc	ppm	60	1360	1305	1414
Phosphorus	ppm	1015	1057	1191	1090
Barium	ppm	1	1	1	2
Boron	ppm	109	83	88	94

Depot: SCRHAM
Unique No: 10943038
Signed: Jonathan Hester
Report Date: 28 Mar 2024

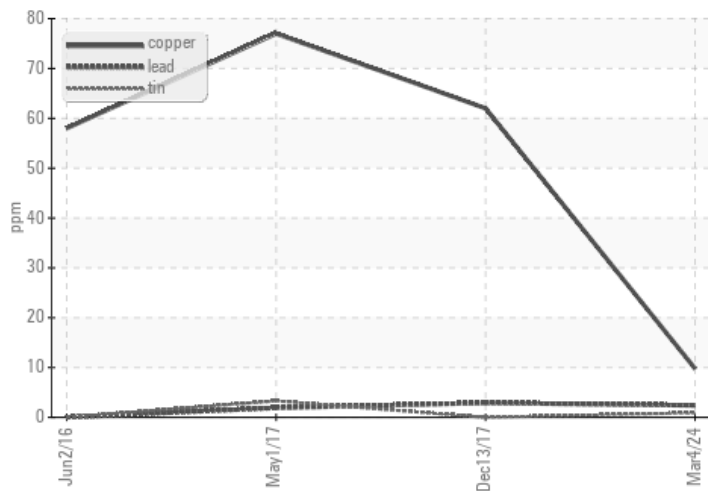


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

