

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1203-88008 - Rear Left Wheel Hub

Sample No: LH0272184

Oil Type: LIEBHERR GEAR BASIC 90 LS



JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager

T:
F:



SAMPLE INFORMATION

Sample Number	LH0272184	LH0217409	LH0207353	LH0184637
Sample Date	01 Feb 2024	20 Jul 2022	11 Nov 2021	27 Jun 2021
Machine Hours	7000	7000	5159	4041
Oil Hours	7000	1841	459	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	185	175	174	173



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	<1	<1	4
Sodium	ppm	6	6	13	14
Potassium	ppm	0	0	0	<1



WEAR METALS

Iron	ppm	81	12	18	37
Copper	ppm	3	2	3	17
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	67	20	54	112
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	27	7	24	22
Phosphorus	ppm	2340	2368	2454	2294
Barium	ppm	0	0	0	0
Boron	ppm	<1	3	29	25

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.

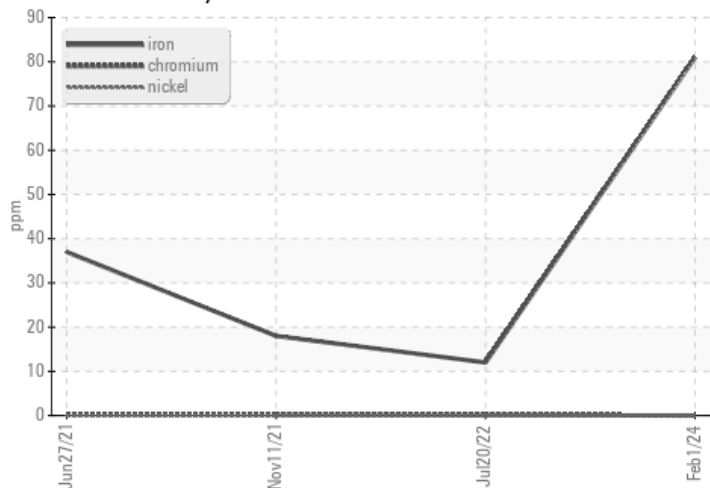
Depot: JRVJOH
Unique No: 10871843
Signed: Sean Felton
Report Date: 12 Feb 2024

Submitted By: MIKE MACKINNON

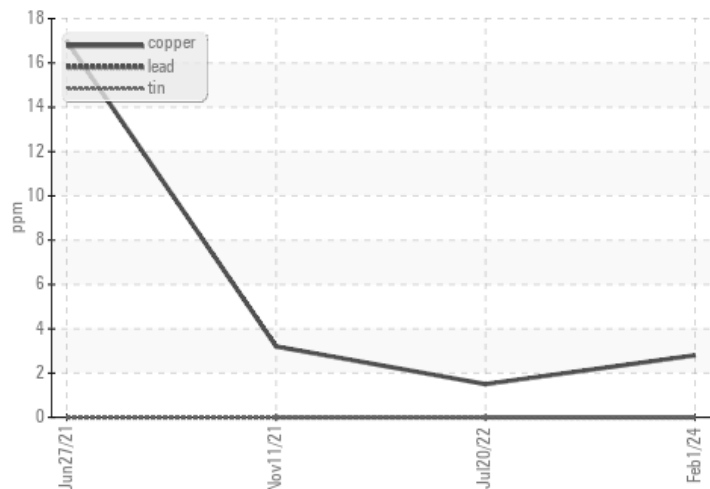


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

