

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-118648 - Rear Differential

Sample No: LH0272221

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	LH0272221	LH0244508	LH0207387	---
Sample Date	17 Jun 2024	07 Mar 2023	09 Nov 2021	---
Machine Hours	1690	1690	952	---
Oil Hours	1690	738	952	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---



Oil Condition

Visc @ 40°C	cSt	171	121	55.7	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	5	7	---
Sodium	ppm	10	12	17	---
Potassium	ppm	2	<1	<1	---



Wear Metals

Iron	ppm	13	66	8	---
Copper	ppm	2	20	8	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	<1	1	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	<1	0	0	---



Additives

Calcium	ppm	209	994	3528	---
Magnesium	ppm	1	6	12	---
Zinc	ppm	54	427	1423	---
Phosphorus	ppm	2331	1851	1116	---
Barium	ppm	0	0	0	---
Boron	ppm	3	17	118	---

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.

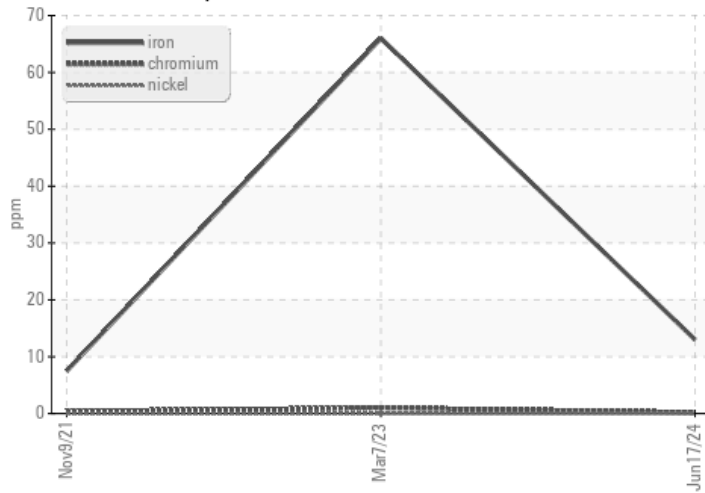
Depot: JRVJOH
Unique No: 11098636
Signed: Wes Davis
Report Date: 26 Jun 2024

Submitted By: MIKE MACKINNON

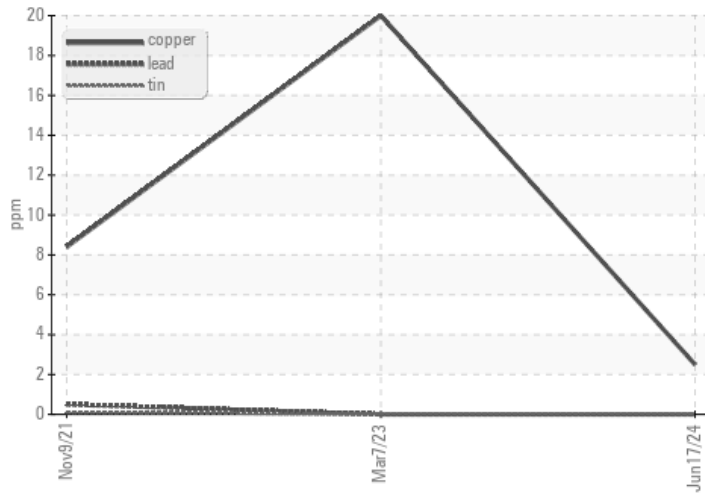


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

