

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-118648 - Swing Drive

Sample No: LH0272220

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



Sample Information

Sample Number	LH0272220	LH0244511	LH0207389	---
Sample Date	17 Jun 2024	07 Mar 2023	09 Nov 2021	---
Machine Hours	1690	1690	952	---
Oil Hours	952	738	952	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	199	173	182	---
-------------	-----	-----	-----	-----	-----

T:
F:



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	<1	0	---
Sodium	ppm	7	4	5	---
Potassium	ppm	2	0	<1	---

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	736	5	71	---
Copper	ppm	90	<1	53	---
Lead	ppm	<1	0	<1	---
Tin	ppm	1	0	1	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	5	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	2	---
Manganese	ppm	8	1	2	---
Vanadium	ppm	<1	0	0	---



Additives

Calcium	ppm	61	173	65	---
Magnesium	ppm	1	2	4	---
Zinc	ppm	39	70	42	---
Phosphorus	ppm	2289	2344	2232	---
Barium	ppm	7	0	6	---
Boron	ppm	<1	1	18	---

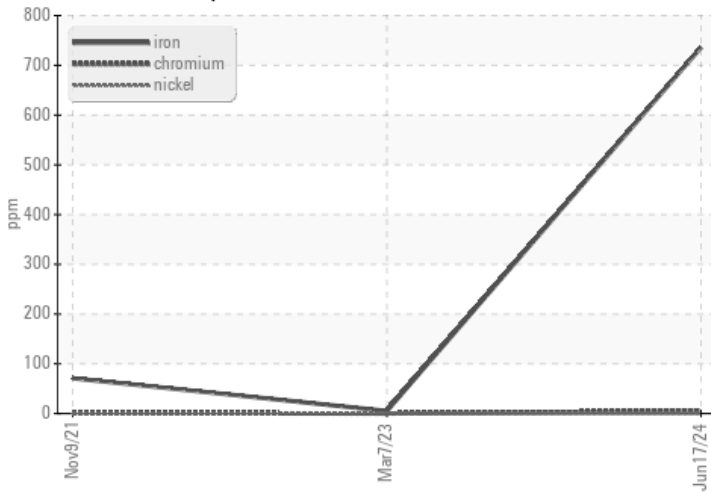
Depot: JRVJOH
Unique No: 11098640
Signed: Wes Davis
Report Date: 26 Jun 2024

Submitted By: MIKE MACKINNON

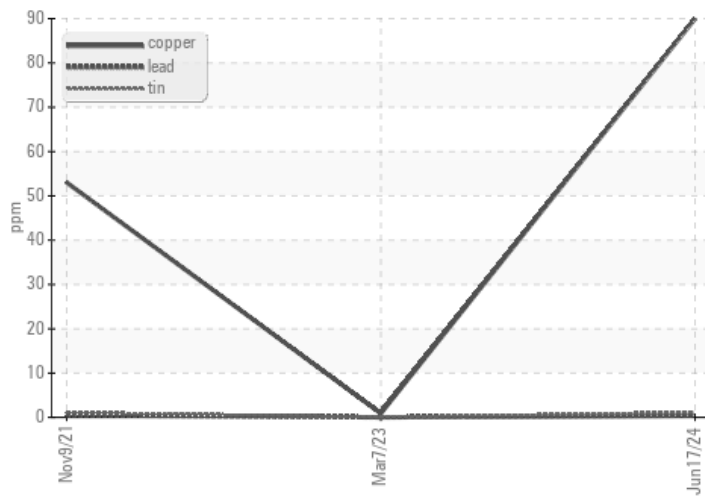


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

