

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1203-88008 - Splitter Box

Sample No: LH0272190

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



SAMPLE INFORMATION

Sample Number	LH0272190	LH0229246	LH0217422	LH0207354
Sample Date	01 Feb 2024	20 Jul 2022	05 Apr 2022	11 Nov 2021
Machine Hours	10000	7000	6268	5159
Oil Hours	9268	732	500	459
Oil Changed	N/A	N/A	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	188	181	186	189

T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	2	2	<1
Sodium	ppm	2	4	2	2
Potassium	ppm	2	6	<1	<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	58	143	39	18
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	45	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

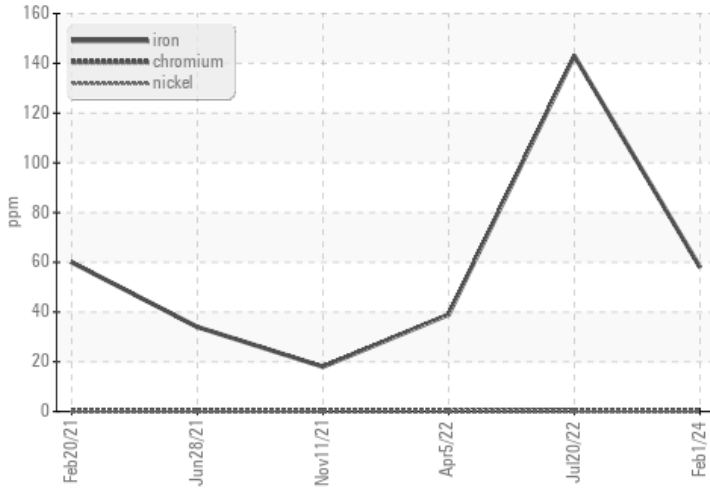
Calcium	ppm	33	13	8	32
Magnesium	ppm	9	<1	0	<1
Zinc	ppm	29	21	6	22
Phosphorus	ppm	2365	2279	2362	2389
Barium	ppm	0	0	0	0
Boron	ppm	<1	2	4	21

Depot: JRVJOH
Unique No: 10871845
Signed: Sean Felton
Report Date: 12 Feb 2024

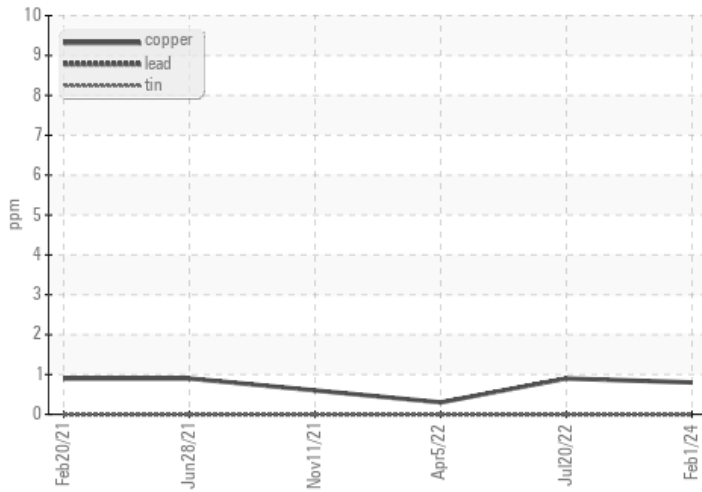


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

