

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-120427 - Splitter Box

Sample No: LH0254749

Oil Type: LIEBHERR GEAR BASIC 90 LS



DIAMOND STATE RECYCLING CORP
 1600 BOWERS STREET
 WILMINGTON, DE
 US 19802
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0254749	LH0229513	LH0191585	LH0171407
Sample Date	01 Oct 2023	13 Jun 2023	12 Jan 2022	03 Feb 2021
Machine Hours	7490	7022	4006	1951
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	182	196	196	193
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T:
F:



CONTAMINATION

Silicon	ppm	1	1	<1	<1
Sodium	ppm	<1	0	2	3
Potassium	ppm	<1	2	0	0

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	15	25	8	16
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	0	0	<1	0
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

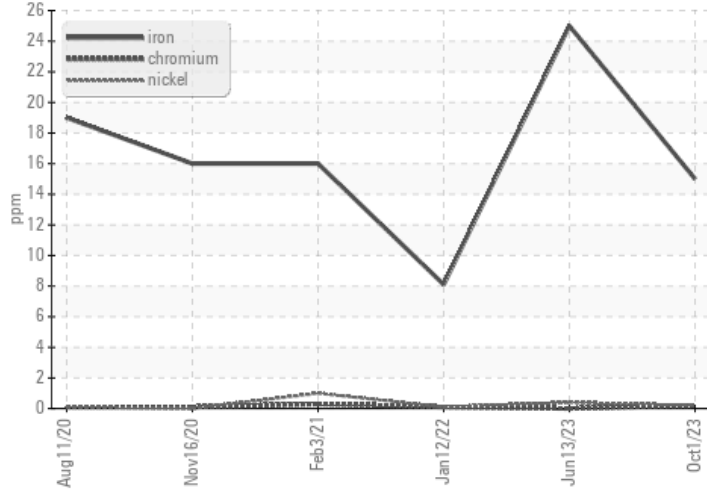
Calcium	ppm	15	16	5	14
Magnesium	ppm	<1	<1	<1	0
Zinc	ppm	44	45	23	16
Phosphorus	ppm	2361	3054	1579	2400
Barium	ppm	0	0	0	0
Boron	ppm	0	0	2	<1

Depot: DIAWILDE
Unique No: 10672321
Signed: Don Baldrige
Report Date: 03 Oct 2023

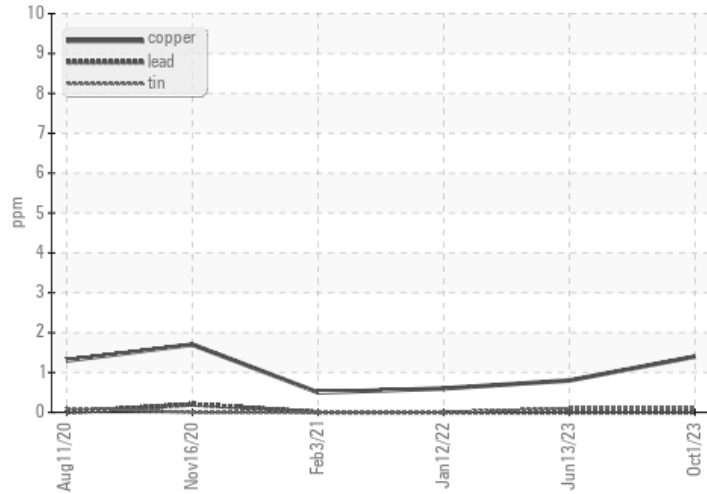


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

