LIEBHERR
CONSTRUCTION EQUIPMENT

145586-1218 - Swing Drive

Sample No: LH0269264

Oil Type: {unknown}

American Iron and Metal
10305 Metropolitaine Est, Garage porte 13
Montreal, QC
CA H1B 1A1
Contact: Sebastien Liautaud
sliautaud@aimrecyclinggroup.com
T:
F:

SAMPLE INFORMATION

Sample Number		LH0269264	---	---	---
Sample Date		30 Jan 2024	---	---	---
Machine Hours		1000	---	---	---
Oil Hours		0	---	---	---
Oil Changed		N/A	---	---	---
Sample Status		ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	215	---	---	---

CONTAMINATION

Water	%	0.099	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

WEAR METALS

PQ		1	---	---	---
Iron	ppm	806	---	---	---
Copper	ppm	56	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	4	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	6	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	34	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	24	---	---	---
Phosphorus	ppm	1903	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	3	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 50 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The water content is negligible. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LACMON
Unique No: 5721674
Signed: Bill Quesnel
Report Date: 02 Feb 2024

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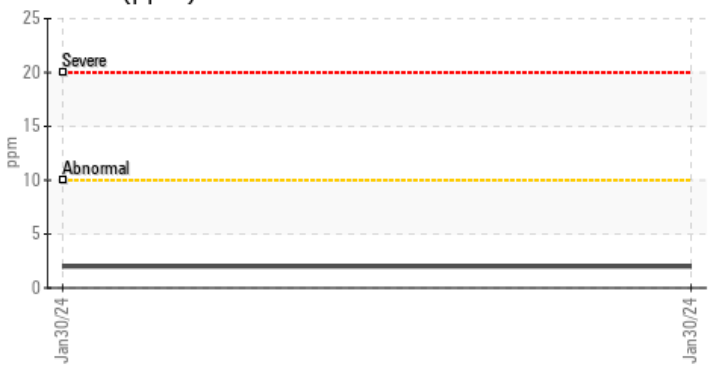
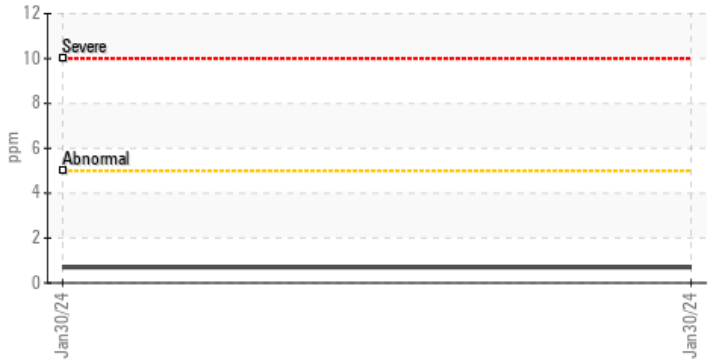
GRAPHS

Iron (ppm)

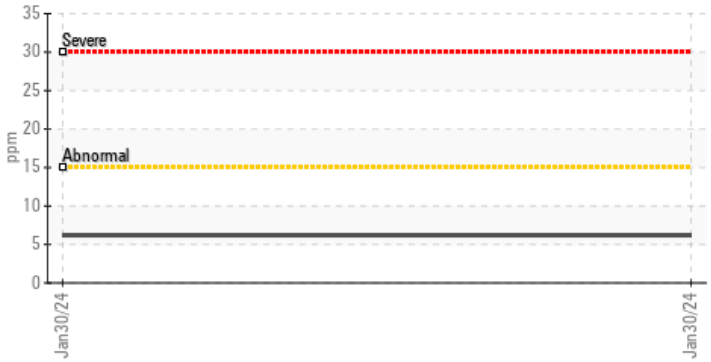
Lead (ppm)



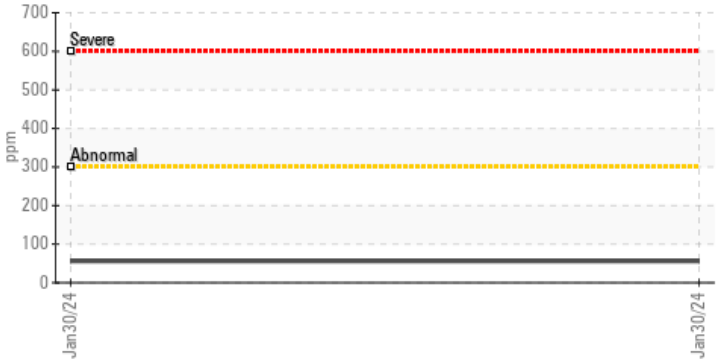
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)

Viscosity @ 40°C

PQ