

LIEBHERR

CONSTRUCTION EQUIPMENT



[[KRAMER]] PETTIBONE T944X EX20093-17 - Front Right Fine

Sample No: LH0254044

Oil Type: GEAR OIL LS 80W90



SAMPLE INFORMATION

Sample Number	LH0254044	LH0185244	---	---
Sample Date	03 Oct 2023	14 Oct 2021	---	---
Machine Hours	2473	1056	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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 T: (715)675-6900
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OIL CONDITION

Visc @ 40°C	cSt	● 128	● 133	---	---
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CONTAMINATION

Silicon	ppm	● 4	● 6	---	---
Sodium	ppm	● 0	● <1	---	---
Potassium	ppm	● 1	● 1	---	---



WEAR METALS

Iron	ppm	● 49	● 38	---	---
Copper	ppm	● 14	● 38	---	---
Lead	ppm	● 0	● 1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 3	● <1	---	---
Molybdenum	ppm	54	<1	---	---
Nickel	ppm	● 0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 91	530	---	---
Magnesium	ppm	● 40	6	---	---
Zinc	ppm	● 55	174	---	---
Phosphorus	ppm	● 981	1025	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	23	100	---	---

Diagnosis

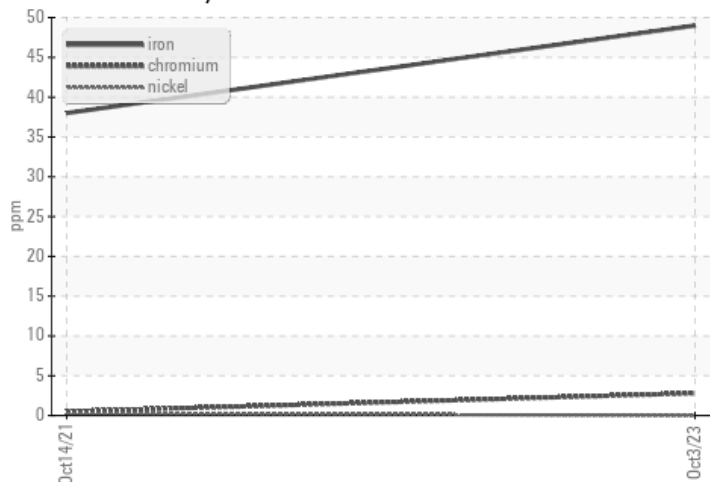
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10698052
 Signed: Sean Felton
 Report Date: 18 Oct 2023

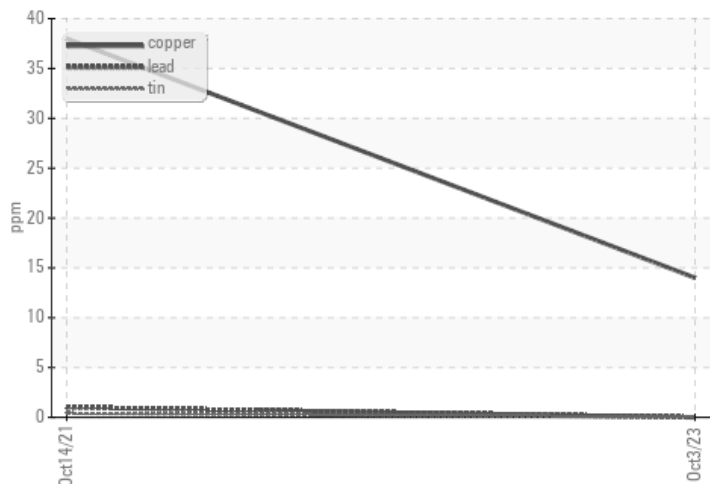


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

