

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR776 15946 - Left Final Drive

Sample No: LH0272639

Oil Type: CHEVRON MULTIGEAR EP5 80W90



LIEBHERR MINING EQUIPMENT CO
 5800 S DOUGLAS HWY
 GILLETTE, WY
 US 82718
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 T:
 F:



Sample Information

Sample Number	LH0272639	LH0220502	LH0220508	---
Sample Date	07 Feb 2024	14 Oct 2023	10 May 2023	---
Machine Hours	10496	8488	9275	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	134	232	231	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	6	4	2	---
Sodium	ppm	0	<1	<1	---
Potassium	ppm	2	2	<1	---



Wear Metals

Iron	ppm	141	485	324	---
Copper	ppm	2	1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	<1	1	---
Chromium	ppm	1	5	3	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	1	4	3	---
Vanadium	ppm	<1	0	0	---



Additives

Calcium	ppm	39	69	10	---
Magnesium	ppm	19	1	<1	---
Zinc	ppm	39	35	4	---
Phosphorus	ppm	959	401	410	---
Barium	ppm	<1	0	0	---
Boron	ppm	156	53	49	---

Diagnosis

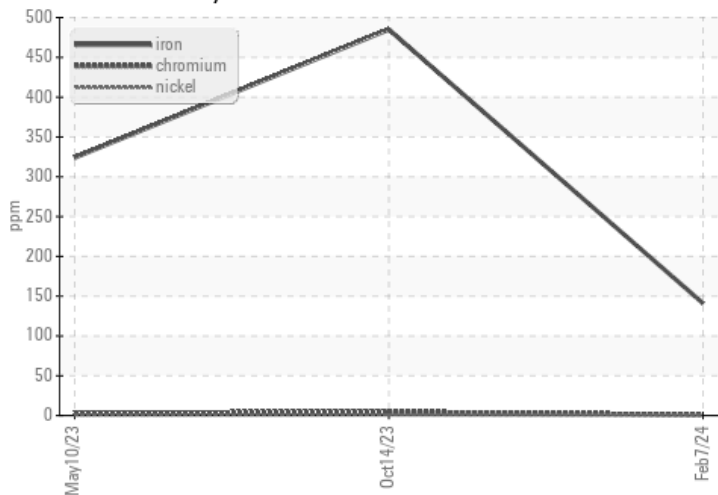
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: LIEGIL
 Unique No: 11122945
 Signed: Don Baldrige
 Report Date: 14 Jul 2024

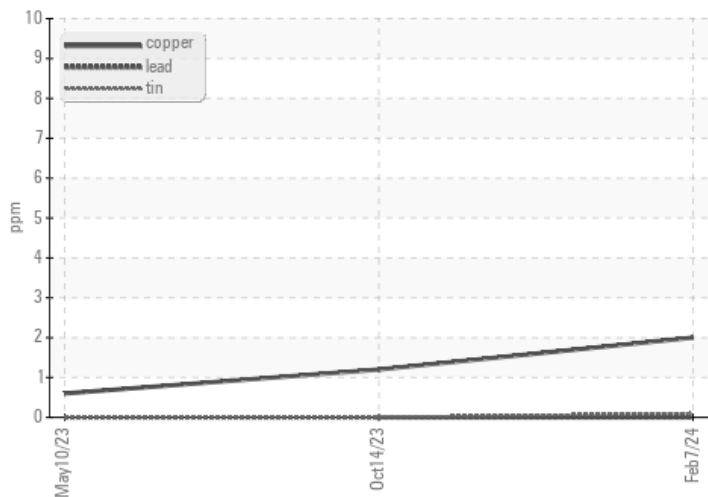


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

