

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR776 15946 - Splitter Box

Sample No: LH0272634

Oil Type: CHEVRON MULTIGEAR EP5 80W90



LIEBHERR MINING EQUIPMENT CO
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Sample Information

Sample Number	LH0272634	LH0220504	LH0220567	LHMC147119
Sample Date	07 Feb 2024	14 Oct 2023	10 May 2023	18 Jul 2019
Machine Hours	10496	8488	9275	73
Oil Hours	0	0	0	73
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	● 194	332	332	● 365
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 7	● 22	● 24	● 6
Sodium	ppm	● 4	● 2	● 3	● 2
Potassium	ppm	● 6	● 6	● 4	● 0



Wear Metals

Iron	ppm	● 112	● 87	● 90	● 4
Copper	ppm	● 26	● 8	● 7	● <1
Lead	ppm	● 1	● 0	● 0	● 0
Tin	ppm	● <1	● 0	● 0	● 0
Aluminum	ppm	● 3	● 9	● 11	● <1
Chromium	ppm	● 1	● 2	● 2	● <1
Molybdenum	ppm	● 1	● 2	● 2	● <1
Nickel	ppm	● 2	● <1	● <1	● 0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	● 1	● 1	● 1	● <1
Vanadium	ppm	<1	0	0	0



Additives

Calcium	ppm	344	● 171	● 181	● 6
Magnesium	ppm	● 4	● 2	● 2	● 2
Zinc	ppm	243	● 74	● 62	● 10
Phosphorus	ppm	1043	● 1153	● 1164	● 1033
Barium	ppm	● <1	● 0	● 0	● 2
Boron	ppm	● 20	● 10	● 10	● 2

Diagnosis

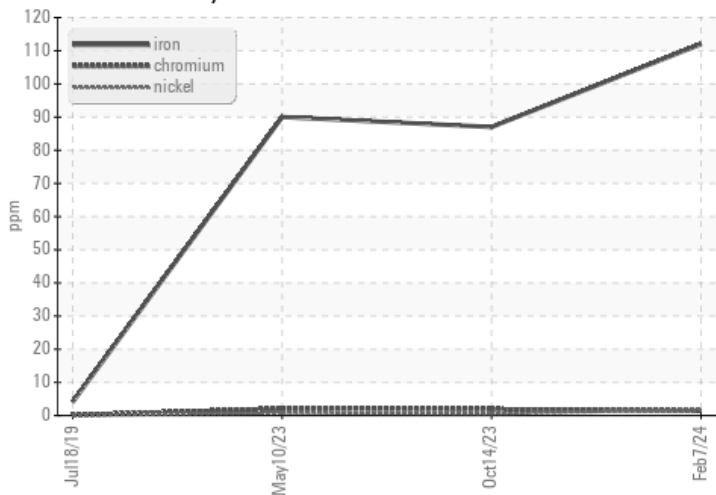
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEGIL
 Unique No: 11103626
 Signed: Jonathan Hester
 Report Date: 03 Jul 2024

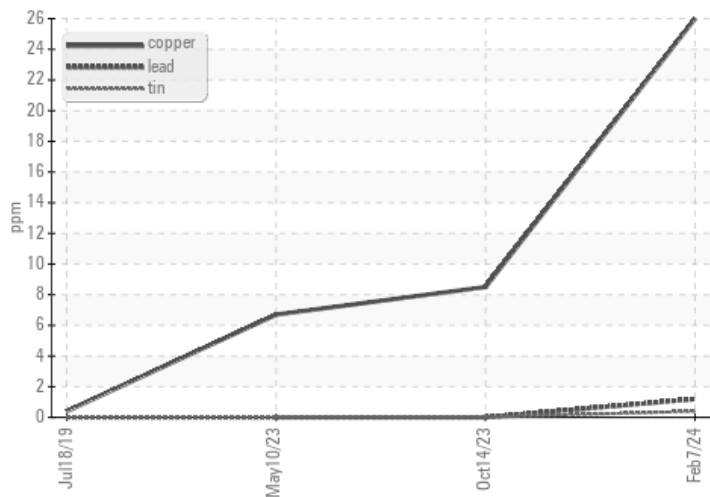


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

