

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 064064-1007 - Pump Drive

Sample No: LH0254761

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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SAMPLE INFORMATION

Sample Number	LH0254761	LH0254035	LH0236102	---
Sample Date	23 Jun 2023	28 Mar 2023	10 Oct 2022	---
Machine Hours	24973	24487	23520	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	125	128	134	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	9	13	7	---
Copper	ppm	<1	0	0	---
Lead	ppm	1	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	3	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	49	70	74	---
Magnesium	ppm	14	21	38	---
Zinc	ppm	26	46	45	---
Phosphorus	ppm	802	821	719	---
Barium	ppm	2	<1	0	---
Boron	ppm	8	10	18	---

Diagnosis

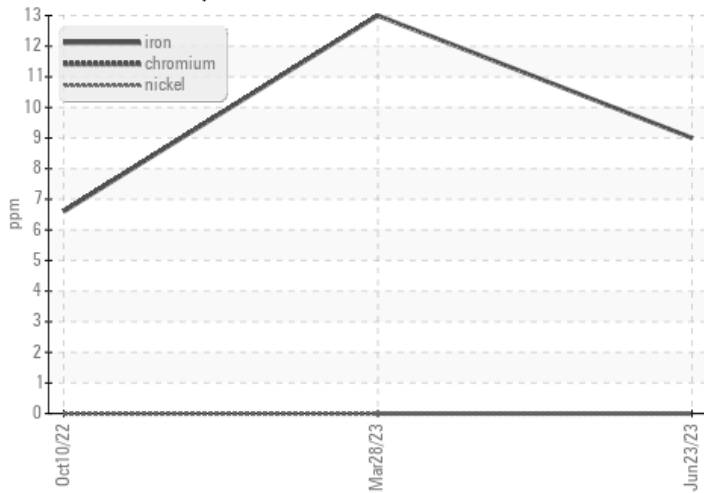
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10546774
 Signed: Angela Borella
 Report Date: 07 Jul 2023

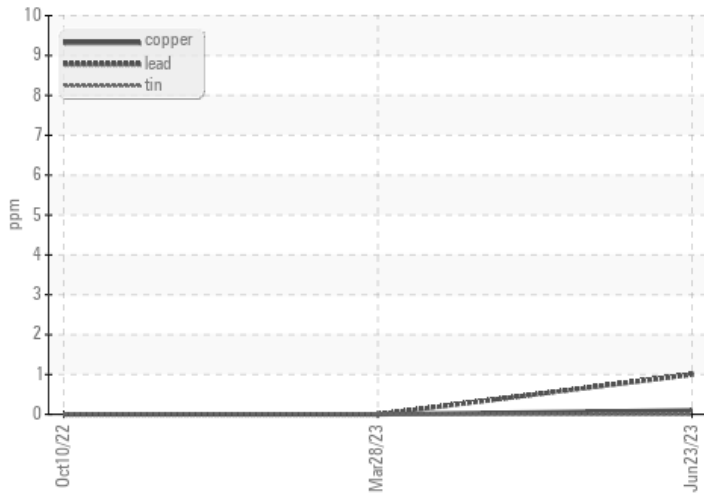


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

