

LIEBHERR

CONSTRUCTION EQUIPMENT



[SUBLATOS] LIEBHERR R934 54888 - Hydraulic System

Sample No: LH0225118

Oil Type: LIEBHERR HYDRAULIC HVI



LIEBHERR CANADA LTD.
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SAMPLE INFORMATION

Sample Number	LH0225118	LH0224988	---	---
Sample Date	29 May 2023	14 Mar 2023	---	---
Machine Hours	971	577	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 39.9	● 42.2	---	---
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CONTAMINATION

Particles >4µm		● 8271	● 24797	---	---
Particles >6µm		● 2712	● 8996	---	---
Particles >14µm		● 181	● 947	---	---
ISO 4406:1999 (c)		20/19/15	22/20/17	---	---
Silicon	ppm	● 3	● 3	---	---
Sodium	ppm	● 2	● 2	---	---
Potassium	ppm	● <1	● <1	---	---



WEAR METALS

Iron	ppm	● 8	● 7	---	---
Copper	ppm	● 6	● 6	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 931	956	---	---
Magnesium	ppm	● 7	8	---	---
Zinc	ppm	● 743	711	---	---
Phosphorus	ppm	● 631	669	---	---
Barium	ppm	● 1	0	---	---
Boron	ppm	● <1	<1	---	---

Diagnosis

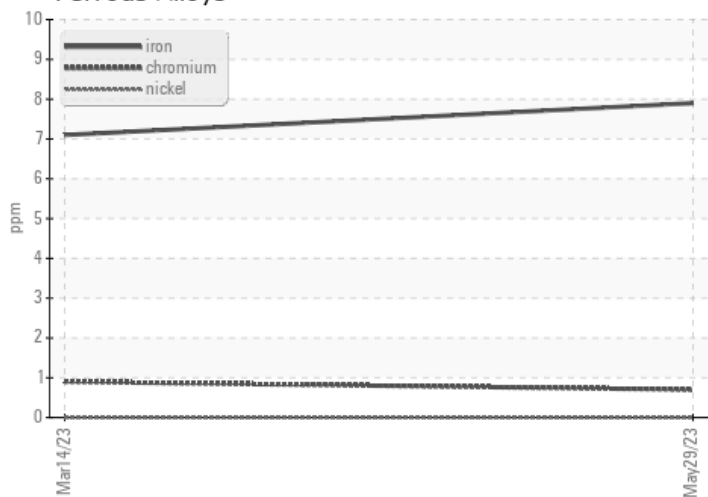
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: LIESPR
 Unique No: 5655201
 Signed: Wes Davis
 Report Date: 03 Oct 2023

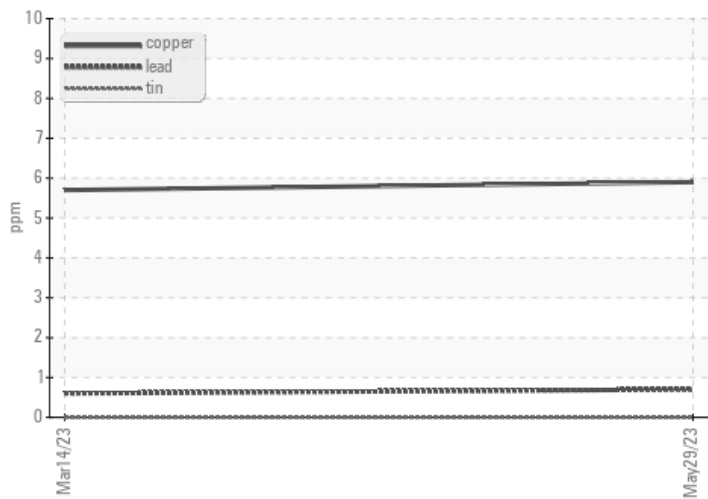


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

