

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362424) [567222]] LIEBHERR L556 065472-1826 - Hydraulic

Sample No: LH0265466

Oil Type: PETRO CANADA HYDREX MV 32



SAMPLE INFORMATION

Sample Number	LH0265466	LH0250778	---	---
Sample Date	21 Jun 2023	10 Mar 2023	---	---
Machine Hours	4413	3355	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

BOIS LIB INC.
 275 RUE JEREMIE-PACAUD
 PRINCEVILLE, QC
 CA G6L 0A1
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	45.7	45.8	---	---
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T:
F:



CONTAMINATION

Particles >4µm		666	15237	---	---
Particles >6µm		161	220	---	---
Particles >14µm		16	12	---	---
ISO 4406:1999 (c)		17/15/11	21/15/11	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	2	<1	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	7	7	---	---
Copper	ppm	4	4	---	---
Lead	ppm	6	6	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	3	3	---	---
Chromium	ppm	3	3	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

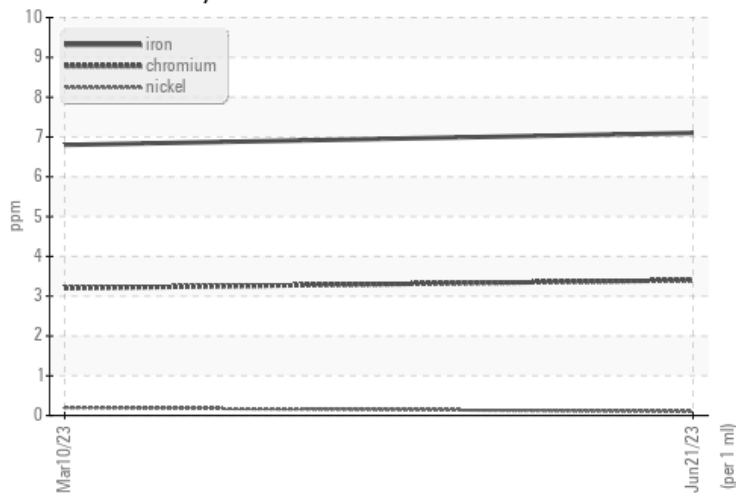
Calcium	ppm	1284	1389	---	---
Magnesium	ppm	23	23	---	---
Zinc	ppm	727	709	---	---
Phosphorus	ppm	650	679	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	5	5	---	---

Depot: LIBPRI
 Unique No: 5605057
 Signed: Kevin Marson
 Report Date: 06 Jul 2023

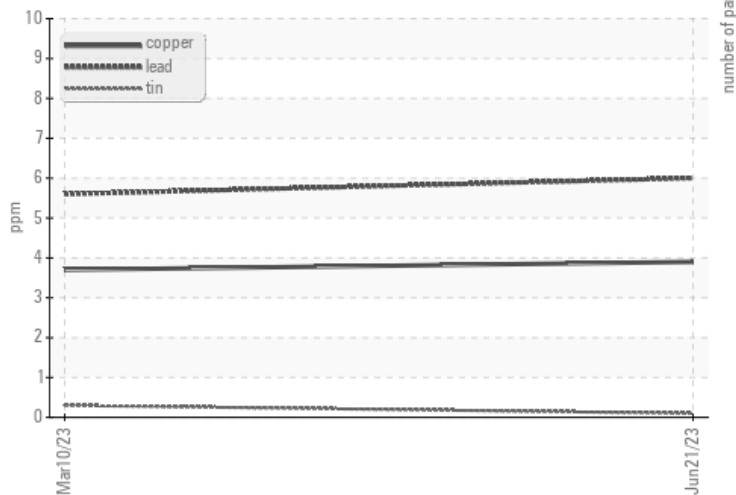


GRAPHS

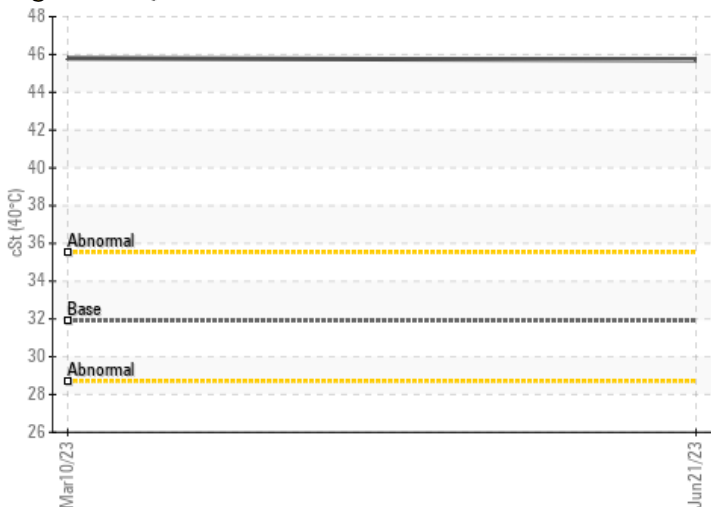
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

