

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 069061-1826 - Hydraulic System

Sample No: LH0257320

Oil Type: PETRO CANADA HYDREX DT 46



SAMPLE INFORMATION

Sample Number	LH0257320	LH0257287	---	---
Sample Date	25 Jan 2024	12 May 2023	---	---
Machine Hours	4000	1010	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

PRODUITS FORESTIERS D.G. LTEE
 313 RANG ST-JOSEPH
 STE-AURELIE, QC
 CA G0M 1M0
 Contact: Roger .



OIL CONDITION

Visc @ 40°C	cSt	● 43.8	● 45.3	---	---
Acid Number (AN)	mg KOH/g	● 1.27	● 1.67	---	---

T: (418)593-3547
 F: (418)593-3633



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 2766	● 16592	---	---
Particles >6µm		● 395	● 1667	---	---
Particles >14µm		● 31	● 14	---	---
ISO 4406:1999 (c)		19/16/12	21/18/11	---	---
Silicon	ppm	● 8	● 5	---	---
Sodium	ppm	● 1	● 1	---	---
Potassium	ppm	● 5	● 6	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Lead ppm levels are noted. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	● 11	● 8	---	---
Copper	ppm	● 4	● 4	---	---
Lead	ppm	● 12	● 6	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 4	● 2	---	---
Chromium	ppm	● 3	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

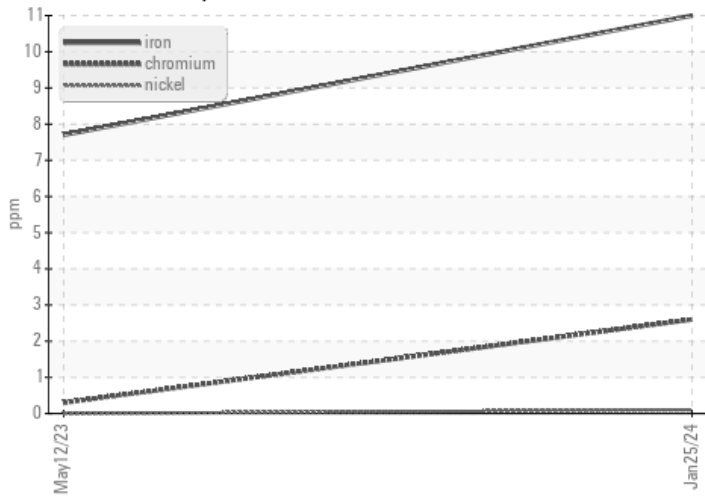
Calcium	ppm	1256	1301	---	---
Magnesium	ppm	● 5	● 5	---	---
Zinc	ppm	● 683	● 685	---	---
Phosphorus	ppm	● 619	● 685	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● <1	● <1	---	---

Depot: PRO9STE
Unique No: 5720699
Signed: Bill Quesnel
Report Date: 30 Jan 2024

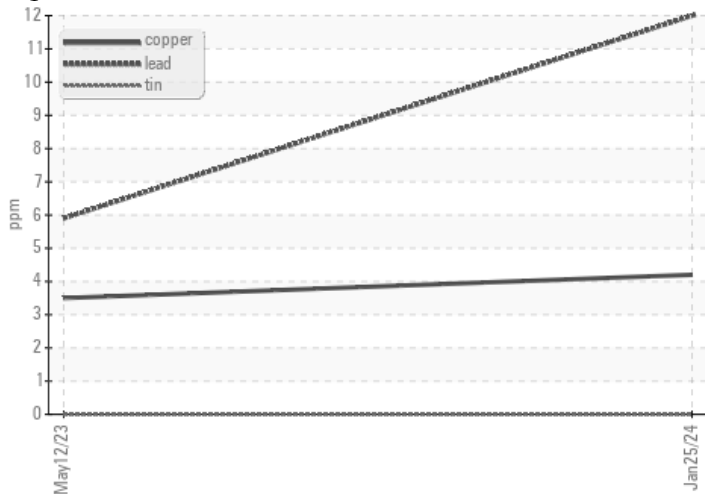


GRAPHS

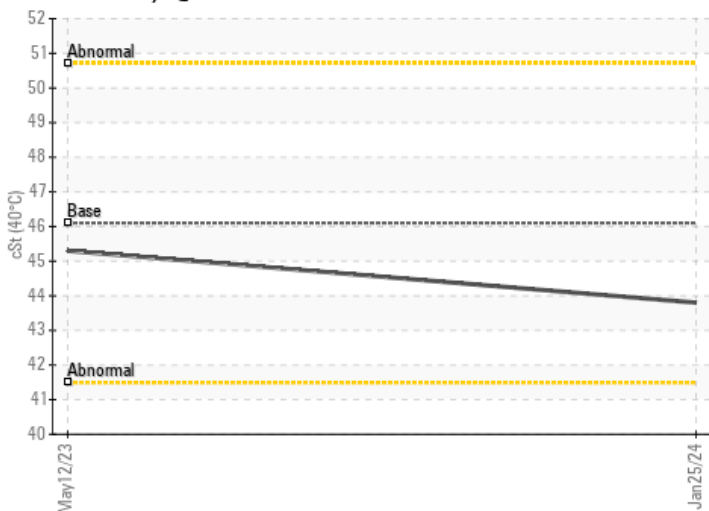
Ferrous Alloys



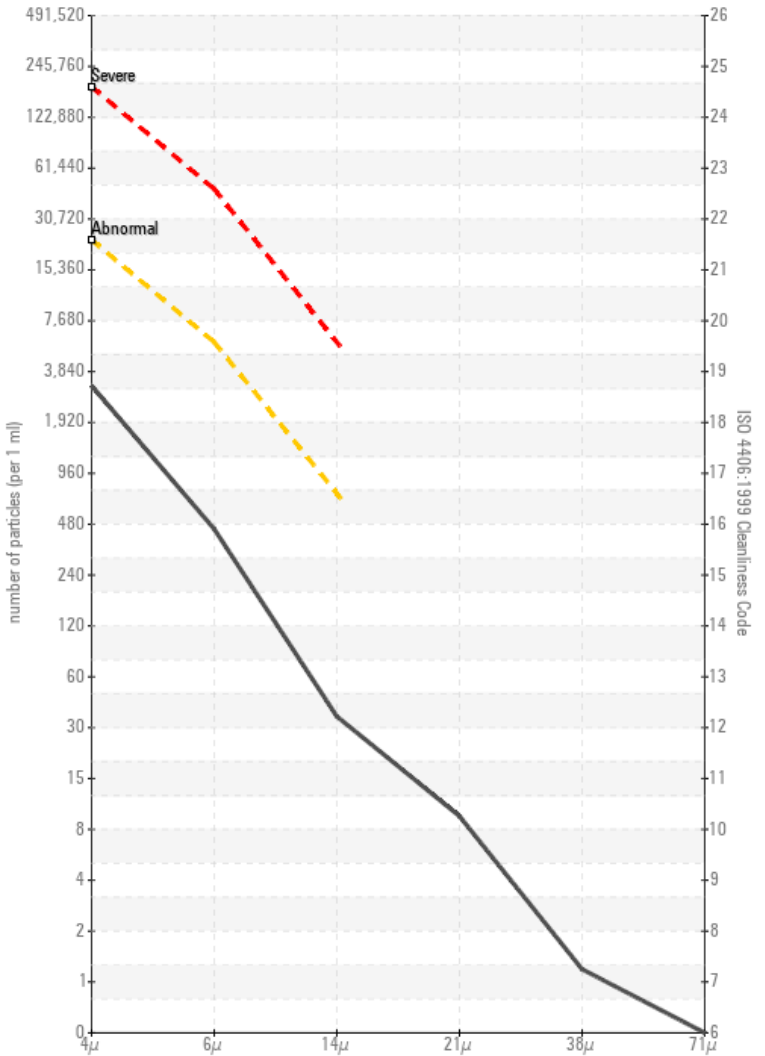
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

