

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 070863-1826 - Hydraulic System

Sample No: LH0257205

Oil Type: PETRO CANADA HYDREX DT 46



SAMPLE INFORMATION

Sample Number	LH0257205	LH0257172	---	---
Sample Date	15 Dec 2023	18 May 2023	---	---
Machine Hours	4000	978	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ATTENTION	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	39.3	45.0	---	---
Acid Number (AN)	mg KOH/g	0.92	1.38	---	---

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



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2679	35315	---	---
Particles >6µm		377	7812	---	---
Particles >14µm		16	224	---	---
ISO 4406:1999 (c)		19/16/11	22/20/15	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	4	<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. Additive levels indicate the addition of a different brand, or type of oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	12	9	---	---
Copper	ppm	2	2	---	---
Lead	ppm	4	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	2	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

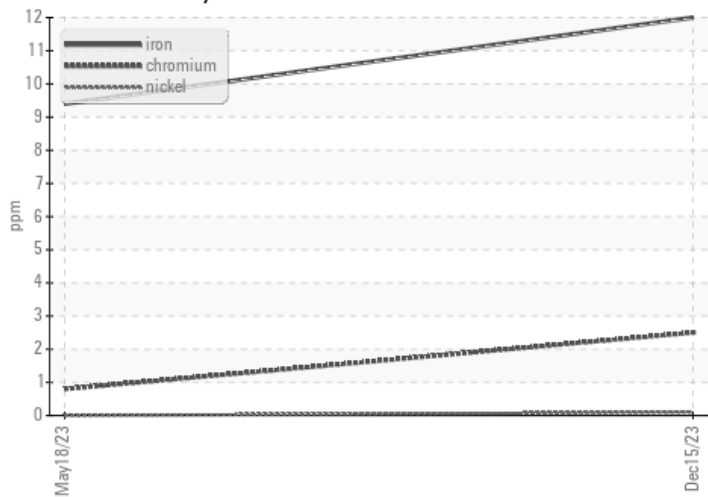
Calcium	ppm	937	1027	---	---
Magnesium	ppm	6	8	---	---
Zinc	ppm	617	709	---	---
Phosphorus	ppm	526	660	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	2	---	---

Depot: PRO9STE
Unique No: 5707061
Signed: Kevin Marson
Report Date: 03 Jan 2024

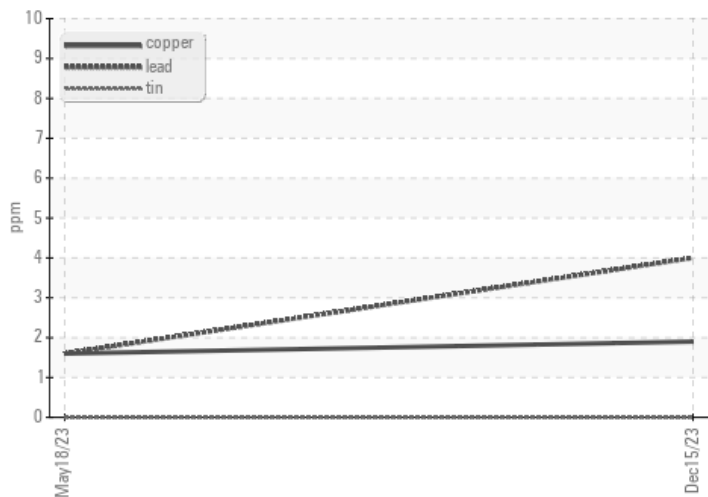


GRAPHS

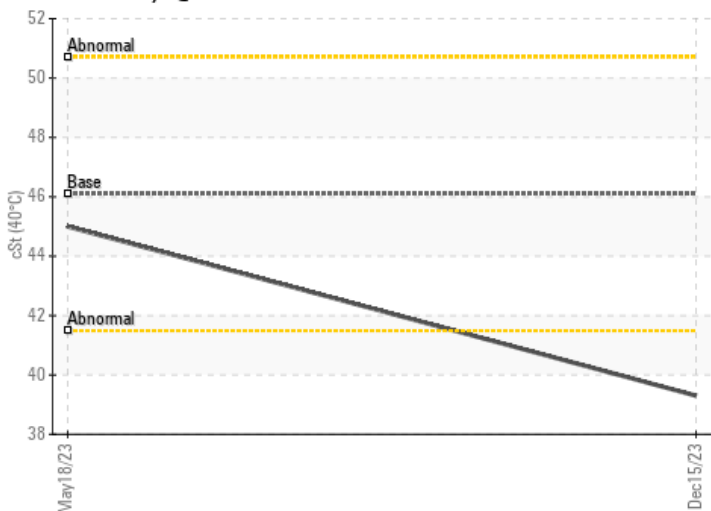
Ferrous Alloys



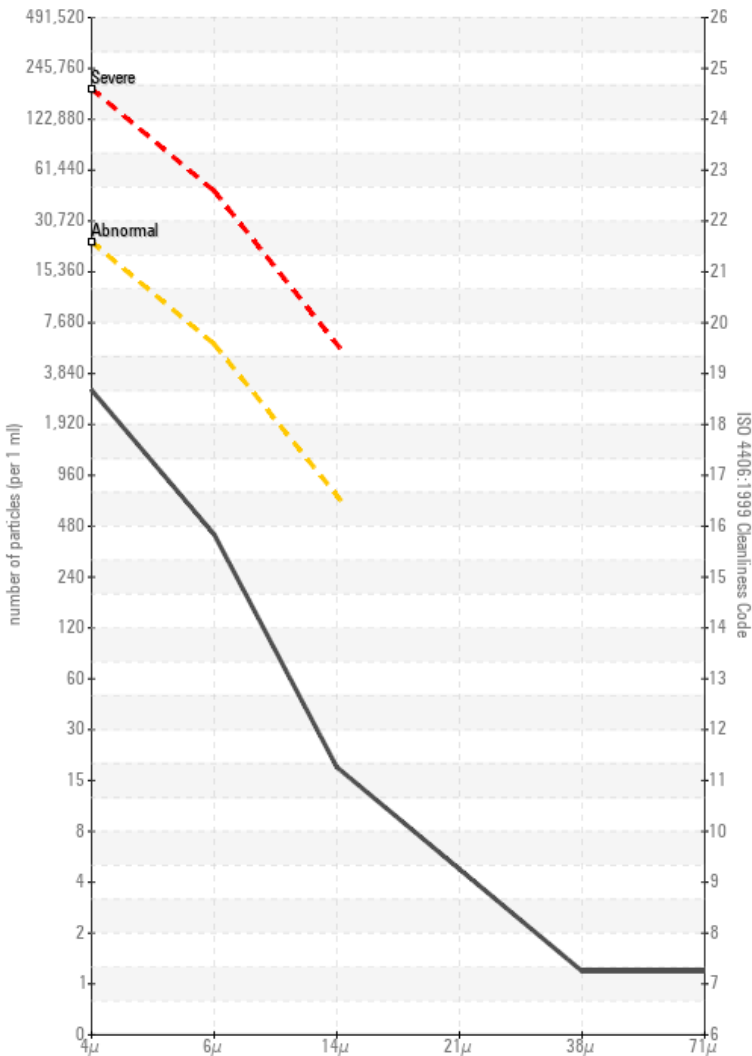
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

