

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 071183-1758 - Hydraulic System

Sample No: LH0251933

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



SAMPLE INFORMATION

Sample Number	LH0251933	LH0260620	---	---
Sample Date	29 Dec 2023	19 May 2023	---	---
Machine Hours	3102	1190	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

Abbycel Substrate Ltd.
 3545 Ross Road
 Abbotsford, BC
 CA V4X 1M6
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	43.2	42.4	---	---
Acid Number (AN)	mg KOH/g	0.74	---	---	---

T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		4960	10702	---	---
Particles >6µm		167	1184	---	---
Particles >14µm		8	56	---	---
ISO 4406:1999 (c)		19/15/10	21/17/13	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	3	2	---	---

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	12	6	---	---
Copper	ppm	4	2	---	---
Lead	ppm	7	4	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	4	2	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

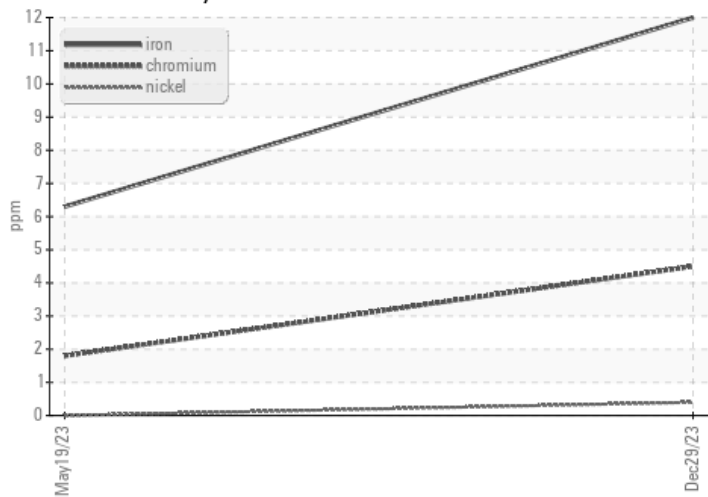
Calcium	ppm	585	643	---	---
Magnesium	ppm	2	2	---	---
Zinc	ppm	567	594	---	---
Phosphorus	ppm	461	540	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: ABB354ABB
Unique No: 5708244
Signed: Wes Davis
Report Date: 11 Jan 2024

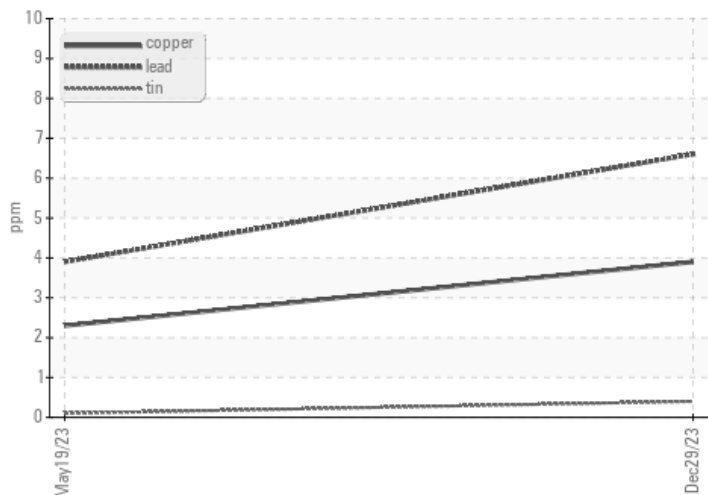


GRAPHS

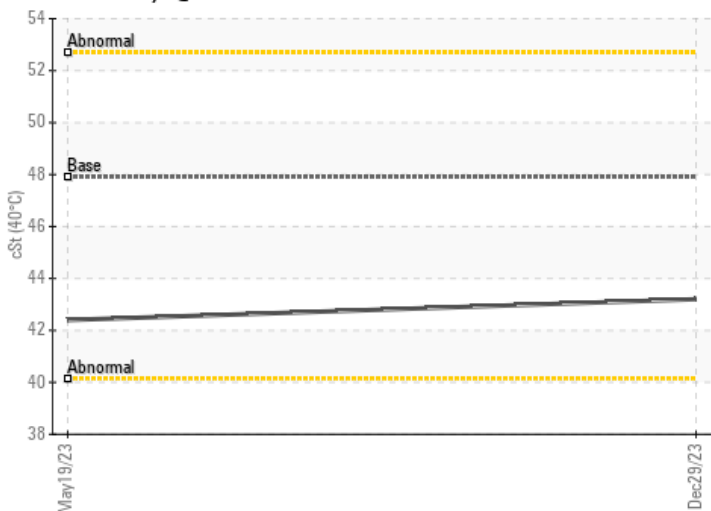
Ferrous Alloys



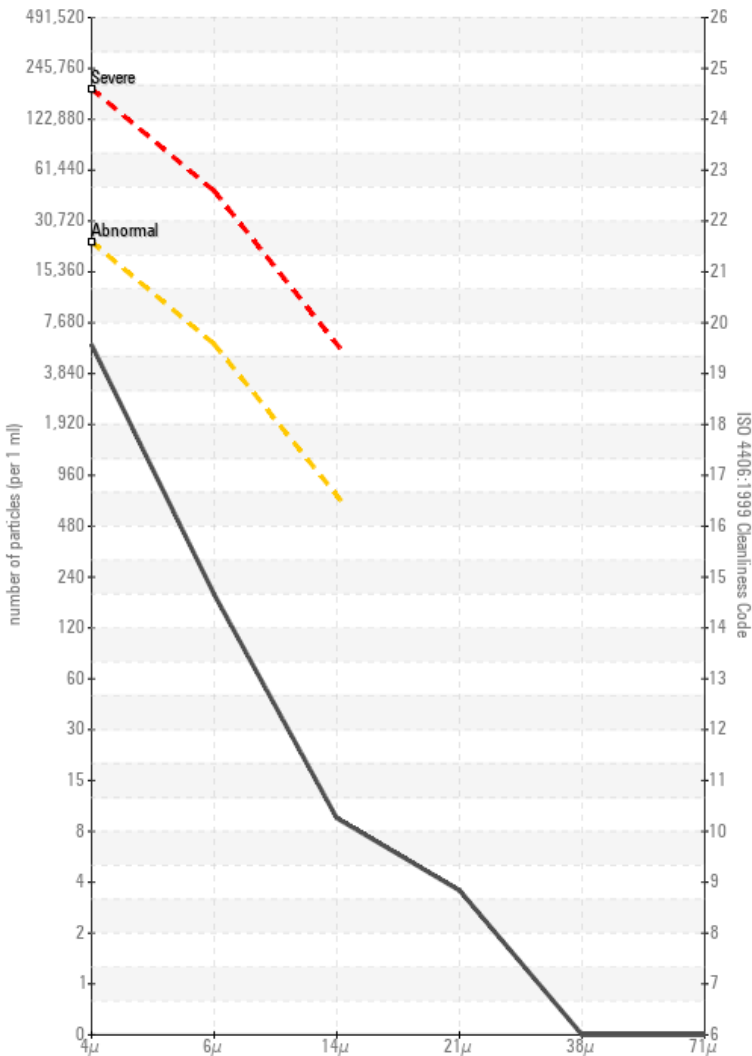
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

