

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 150728-1216 - Hydraulic System

Sample No: LH0271866

Oil Type: PETRO CANADA HYDREX AW 46



ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2
 Contact: Jordie Richmond
 jordie.richmond@abcrecycling.com
 T: (250)202-8235
 F:



SAMPLE INFORMATION

Sample Number	LH0271866	LH0242067	---	---
Sample Date	09 Feb 2024	21 Nov 2023	---	---
Machine Hours	1066	500	---	---
Oil Hours	0	500	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	44.5	45.6	---	---
Acid Number (AN)	mg KOH/g	1.28	---	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3303	3604	---	---
Particles >6µm		430	207	---	---
Particles >14µm		24	7	---	---
ISO 4406:1999 (c)		19/16/12	19/15/10	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	1	<1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	1273	1322	---	---
Magnesium	ppm	5	4	---	---
Zinc	ppm	663	684	---	---
Phosphorus	ppm	605	592	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	0	<1	---	---

Diagnosis

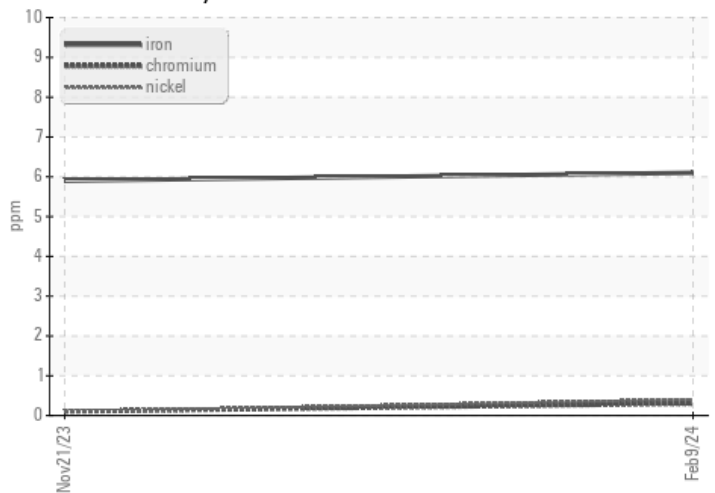
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate 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.

Depot: ABCNAN
 Unique No: 5735210
 Signed: Kevin Marson
 Report Date: 28 Feb 2024

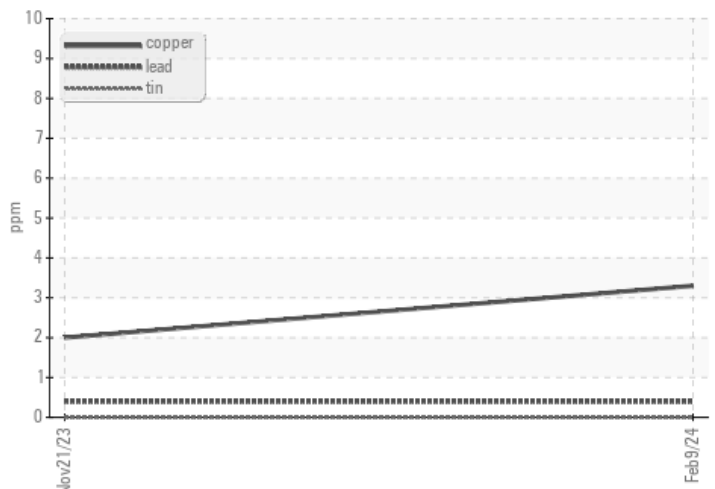


GRAPHS

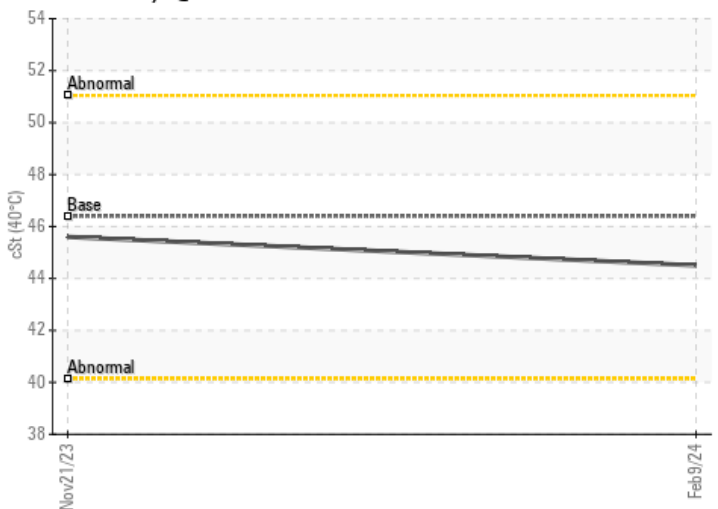
Ferrous Alloys



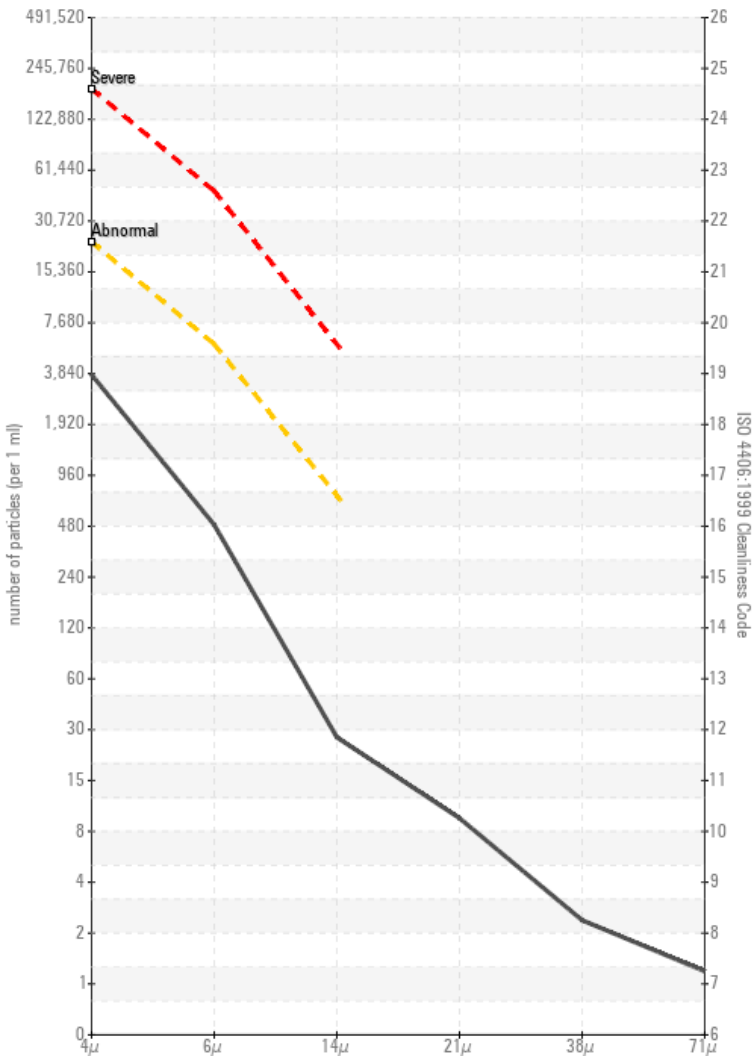
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

