

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145461-1216 - Hydraulic System

Sample No: LH0255617

Oil Type: NOT GIVEN



GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE
 EDMONTON, AB
 CA T6B 3H3
 Contact: Corey MacKay
 cmackay@trailco.ca
 T: (587)926-1610
 F: (780)485-4294



SAMPLE INFORMATION

Sample Number	LH0255617	LH0255605	---	---
Sample Date	25 Nov 2023	26 Jun 2023	---	---
Machine Hours	2400	1086	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	30.1	42.4	---	---
Acid Number (AN)	mg KOH/g	0.92	1.40	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		6670	1973	---	---
Particles >6µm		1994	492	---	---
Particles >14µm		209	56	---	---
ISO 4406:1999 (c)		20/18/15	18/16/13	---	---
Silicon	ppm	4	2	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	0	<1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	438	1214	---	---
Magnesium	ppm	19	5	---	---
Zinc	ppm	531	679	---	---
Phosphorus	ppm	449	636	---	---
Barium	ppm	1	0	---	---
Boron	ppm	<1	<1	---	---

Diagnosis

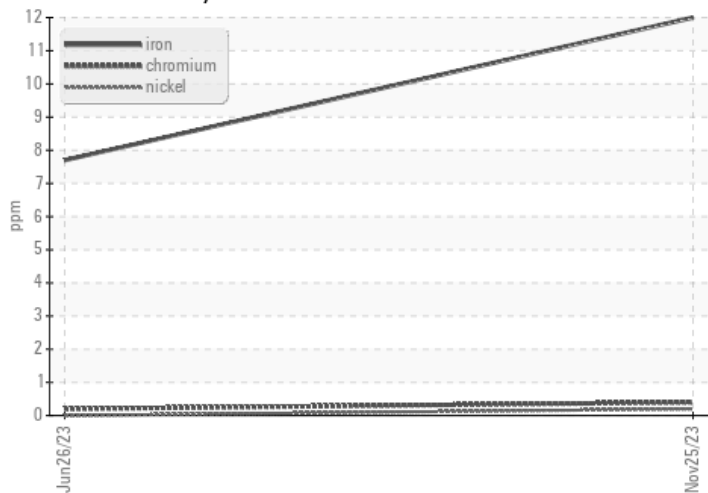
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: GEN156EDM
Unique No: 5684954
Signed: Kevin Marson
Report Date: 01 Dec 2023

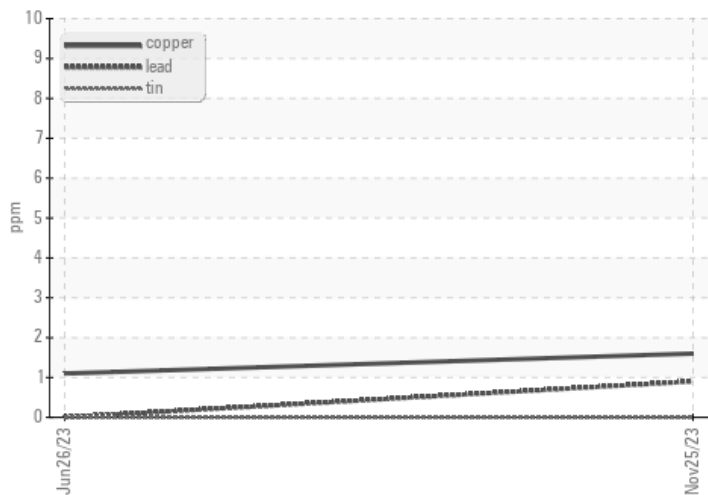


GRAPHS

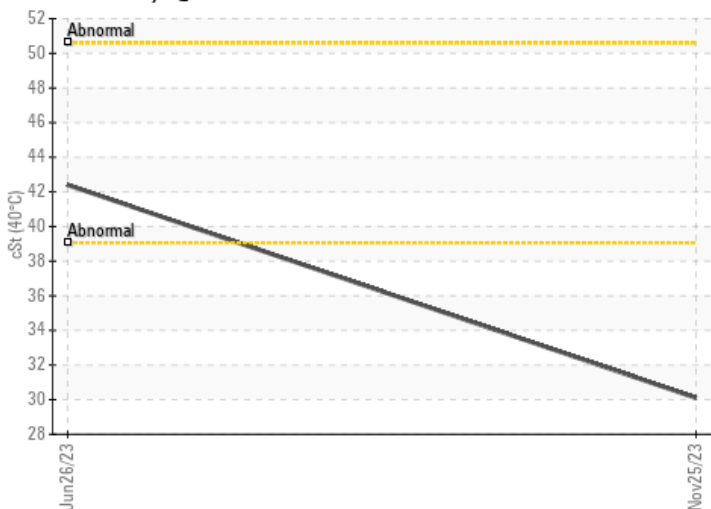
Ferrous Alloys



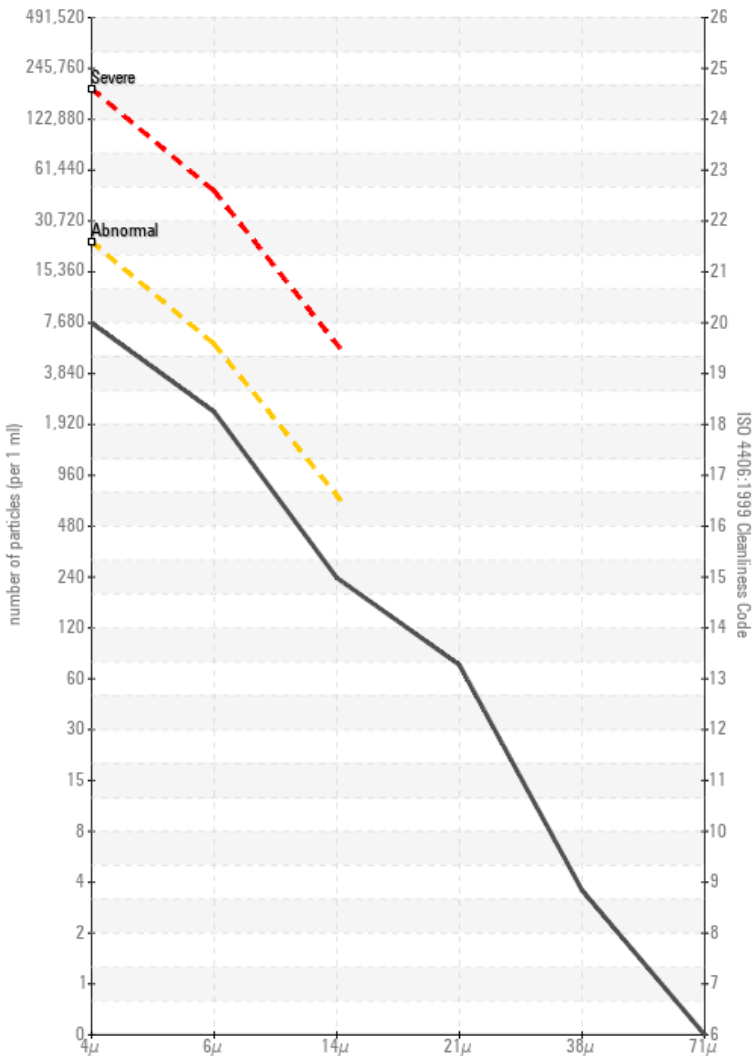
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

