

LIEBHERR

CONSTRUCTION EQUIPMENT



[(368069)] LIEBHERR L580 066027-1760 - Hydraulic System

Sample No: LH0225608

Oil Type: LIEBHERR HYDRAULIC HVI



Sample Information

Sample Number	LH0225608	LH0225597	LH0225586	---
Sample Date	13 Oct 2023	17 Mar 2023	09 Sep 2022	---
Machine Hours	3146	1969	962	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	ATTENTION	ABNORMAL	---

GENERAL RECYCLING INDUSTRIES LTD.
 4120 - 84 AVENUE NW
 EDMONTON, AB
 CA T6B 3H3
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 F: (780)485-4294



Oil Condition

Visc @ 40°C	cSt	43.2	43.8	45.2	---
Acid Number (AN)	mg KOH/g	1.12	1.33	1.32	---



Contamination

Water	%	NEG	NEG	NEG	---
Particles >4µm		3561	27400	107792	---
Particles >6µm		47	2712	17837	---
Particles >14µm		4	281	742	---
ISO 4406:1999 (c)		19/13/9	22/19/15	24/21/17	---
Silicon	ppm	<1	2	2	---
Sodium	ppm	1	1	1	---
Potassium	ppm	<1	<1	<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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Wear Metals

Iron	ppm	7	7	5	---
Copper	ppm	3	2	2	---
Lead	ppm	5	4	3	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

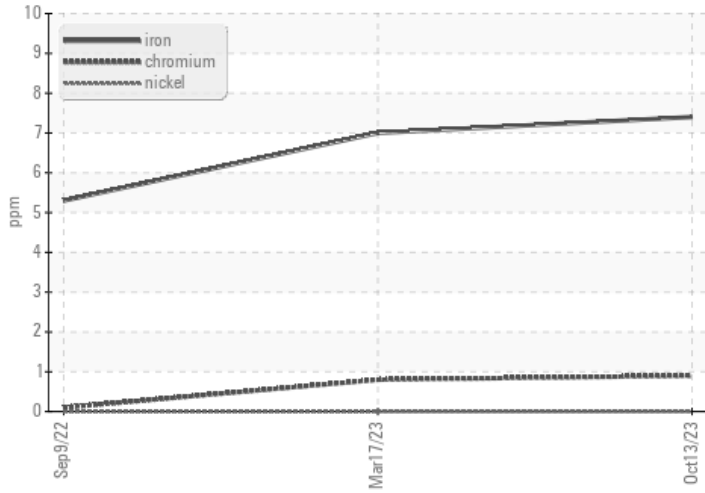
Calcium	ppm	1219	1225	1448	---
Magnesium	ppm	9	8	5	---
Zinc	ppm	650	671	686	---
Phosphorus	ppm	562	621	662	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: GEN156EDM
Unique No: 5776463
Signed: Wes Davis
Report Date: 15 May 2024

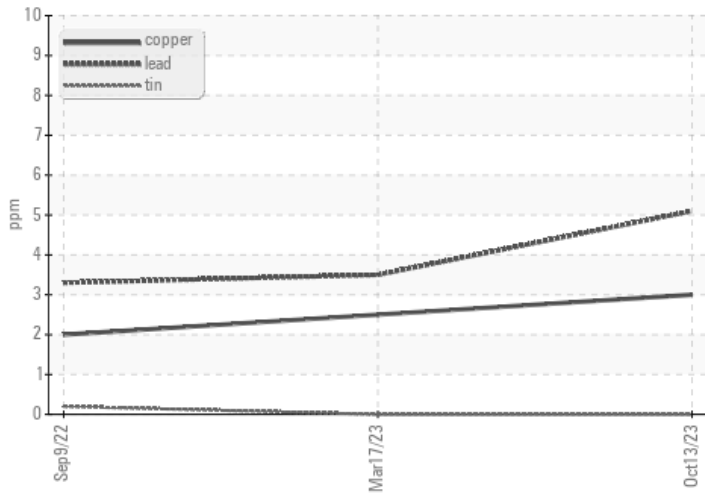


Graphs

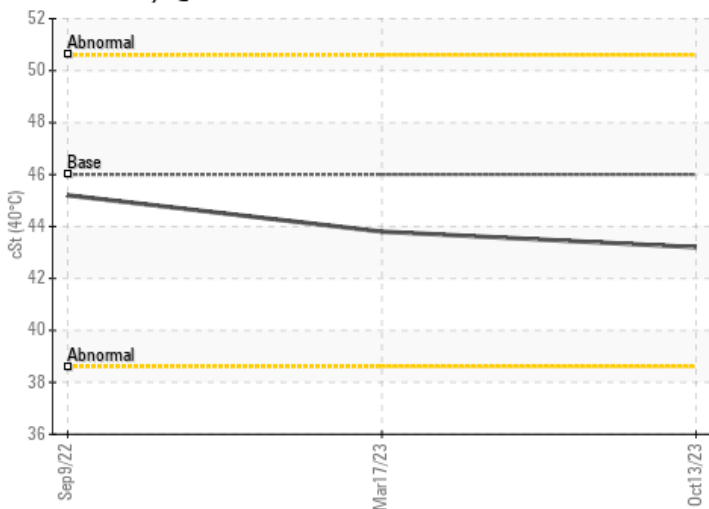
Ferrous Alloys



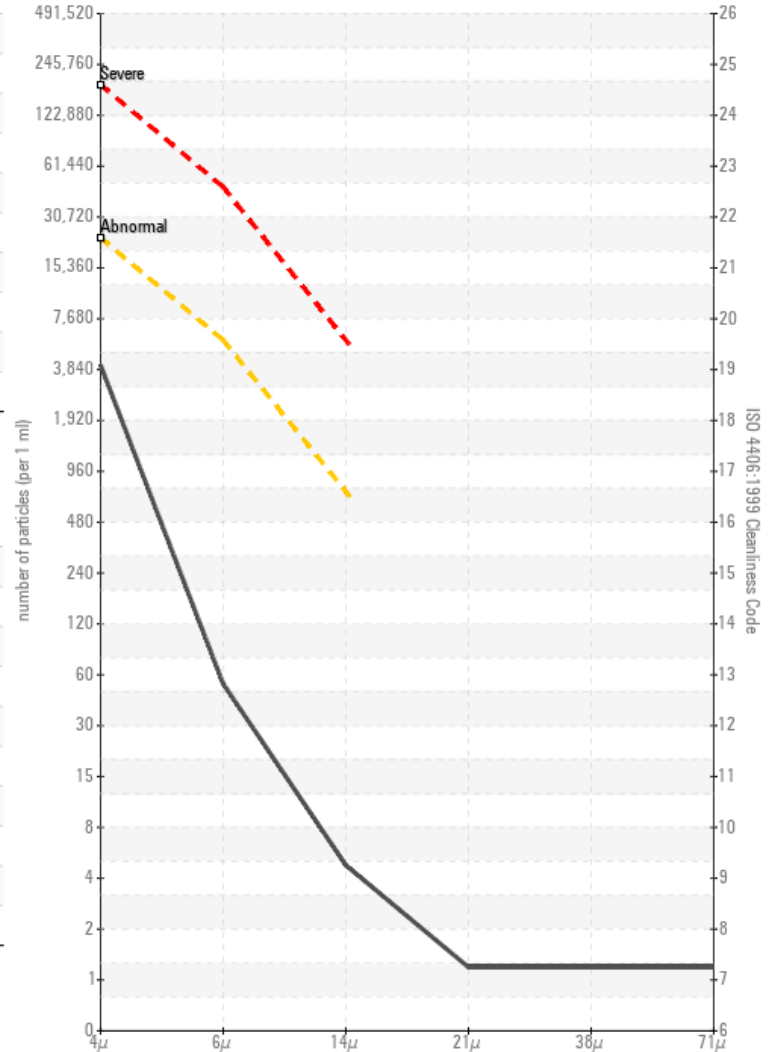
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

