

LIEBHERR

CONSTRUCTION EQUIPMENT



[[20230524]] LIEBHERR L586 059873-1334 - Hydraulic System

Sample No: LH0224800
 Oil Type: NOT GIVEN



Bird's Hill Gravel and Stone Ltd.
 1 Terracon Place
 Winnipeg, MB
 CA R2J 4B3
 Contact: Joel Malkoske
 Jmalkoske@glacialagg.ca
 T: (204)663-0064
 F:



SAMPLE INFORMATION

Sample Number	LH0224800	LH0250088	LH0242699	LH
Sample Date	30 Oct 2023	05 Jun 2023	05 Nov 2022	04 Oct 2022
Machine Hours	7081	0	4989	4427
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	N/A
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	42.3	42.8	42.9	43.3



CONTAMINATION

Particles >4µm		61277	54789	13780	8942
Particles >6µm		17000	11721	2952	319
Particles >14µm		943	436	419	6
ISO 4406:1999 (c)		23/21/17	23/21/16	21/19/16	20/15/10
Silicon	ppm	14	15	9	8
Sodium	ppm	1	2	2	1
Potassium	ppm	2	3	6	3



WEAR METALS

Iron	ppm	31	26	21	18
Copper	ppm	8	8	8	8
Lead	ppm	12	10	10	10
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	4	3	3
Chromium	ppm	2	2	1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1116	1098	1224	1211
Magnesium	ppm	24	22	17	16
Zinc	ppm	740	742	697	719
Phosphorus	ppm	611	637	647	651
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	1	<1

Diagnosis

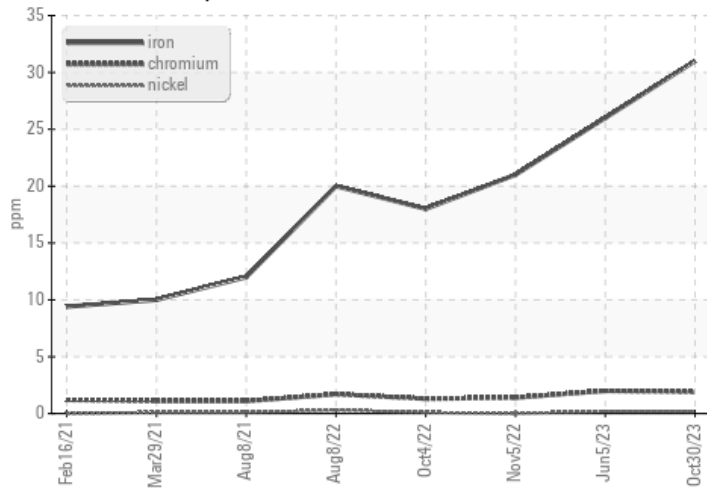
We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: BIRWIN
 Unique No: 5670403
 Signed: Wes Davis
 Report Date: 02 Nov 2023

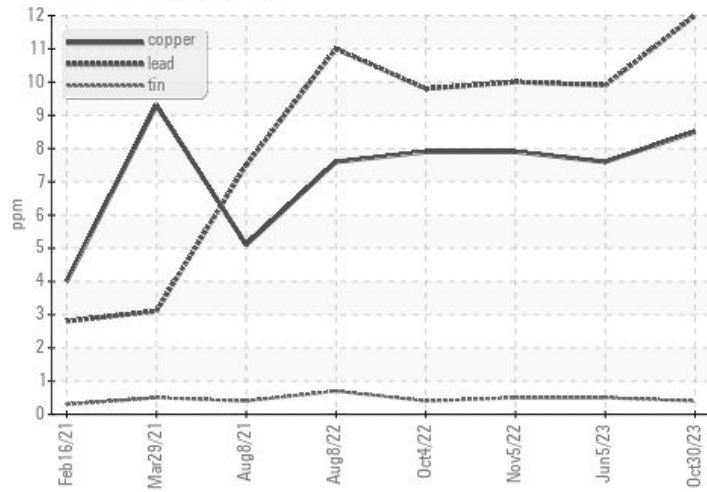


GRAPHS

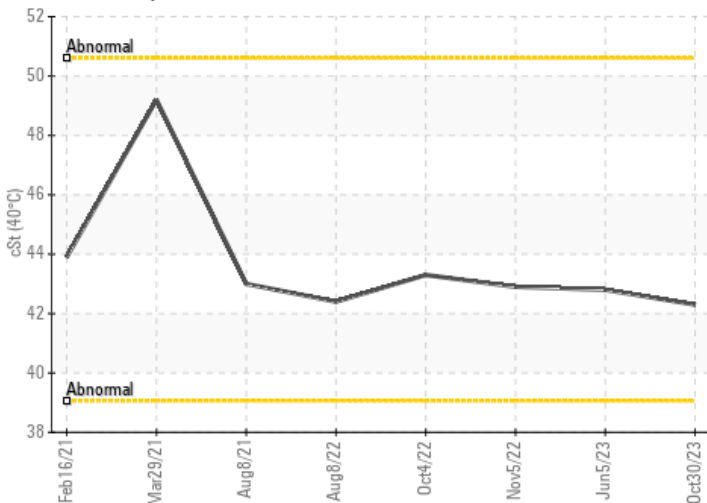
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

