

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 058671-1334 - Hydraulic System

Sample No: LH0278556

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0278556	LH0266010	LH0150831	LH
Sample Date	01 Nov 2023	04 Jun 2023	16 Dec 2022	08 Jan 2022
Machine Hours	7174	10000	5000	3000
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	ATTENTION	ABNORMAL

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:



OIL CONDITION

Visc @ 40°C	cSt	36.5	37.0	38.8	41.5



CONTAMINATION

Particles >4µm		27861	14654	21087	56262
Particles >6µm		8679	3986	767	4894
Particles >14µm		342	352	21	367
ISO 4406:1999 (c)		22/20/16	21/19/16	22/17/12	23/19/16
Silicon	ppm	10	8	9	8
Sodium	ppm	5	5	4	2
Potassium	ppm	<1	2	2	3

Diagnosis

We recommend you service the filters on this component. 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. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	30	24	30	25
Copper	ppm	6	6	6	6
Lead	ppm	12	10	11	10
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	3	4	3
Chromium	ppm	4	4	4	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	750	743	1089	1251
Magnesium	ppm	33	33	23	11
Zinc	ppm	576	566	604	667
Phosphorus	ppm	478	498	557	587
Barium	ppm	<1	<1	0	<1
Boron	ppm	<1	<1	<1	<1

Depot: BIRWIN

Unique No: 5671326

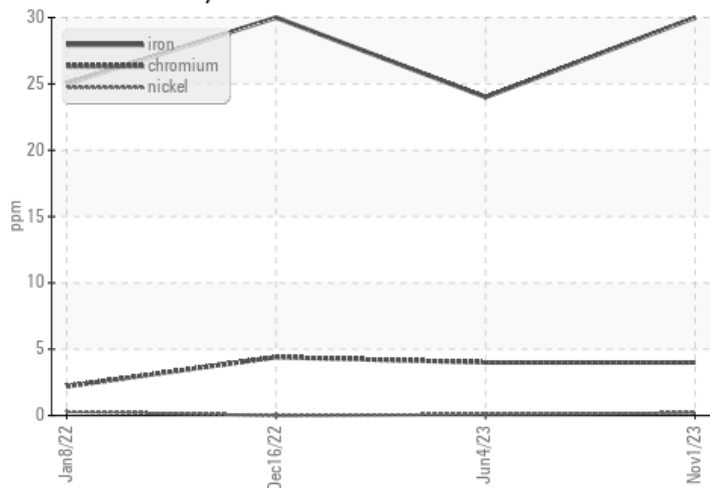
Signed: Wes Davis

Report Date: 07 Nov 2023

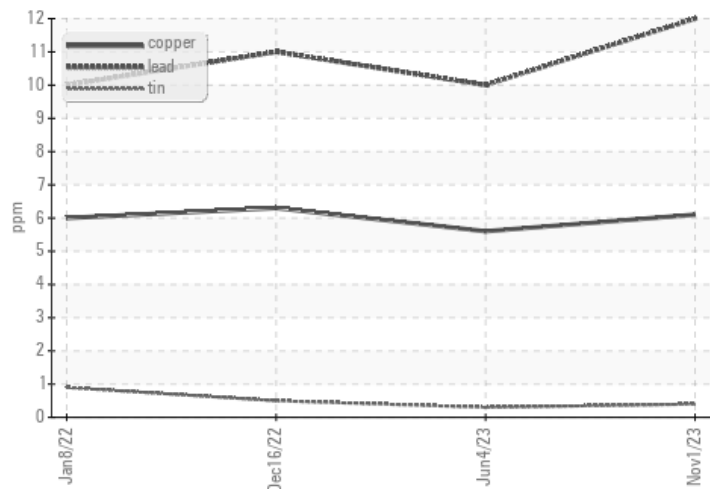


GRAPHS

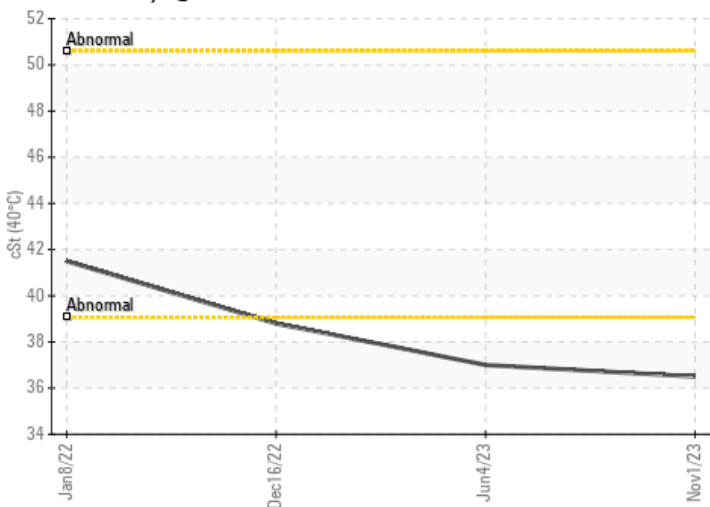
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

