

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 33192 - Hydraulic System

Sample No: LH0278863

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0278863	LH0222452	LH0146136	---
Sample Date	11 Jan 2024	13 Feb 2022	24 Sep 2019	---
Machine Hours	19489	15533	10874	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

Waterford Sand and Gravel Ltd.

70 Ewart Avenue
Brantford, ON
CA N3T 5M1

Contact: Ed Lamb

elamb@waterfordgroup.ca

T: (905)981-6702

F:



OIL CONDITION

Visc @ 40°C	cSt	40.1	40.0	42.9	---
-------------	-----	------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4063	155993	3598	---
Particles >6µm		1083	38630	478	---
Particles >14µm		89	405	18	---
ISO 4406:1999 (c)		19/17/14	24/22/16	19/16/11	---
Silicon	ppm	1	5	2	---
Sodium	ppm	0	<1	0	---
Potassium	ppm	2	2	<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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	9	28	---
Copper	ppm	1	2	3	---
Lead	ppm	<1	1	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	2	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	4	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	98	115	201	---
Magnesium	ppm	12	3	2	---
Zinc	ppm	629	711	785	---
Phosphorus	ppm	520	576	612	---
Barium	ppm	0	0	<1	---
Boron	ppm	<1	<1	<1	---

Depot: WAT70BRA2

Unique No: 5710113

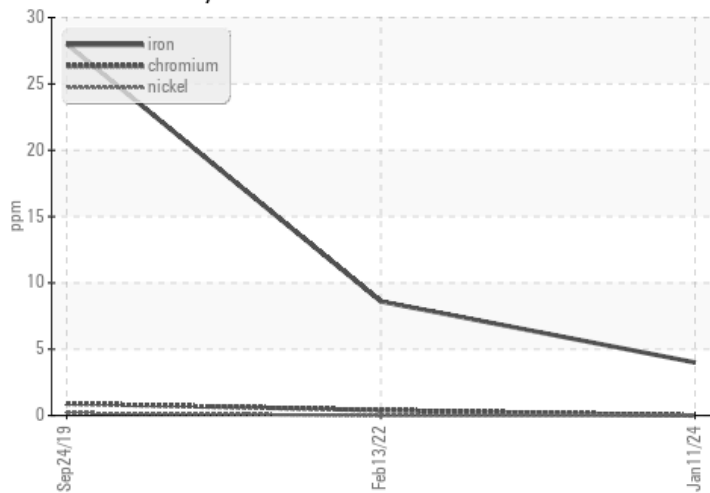
Signed: Wes Davis

Report Date: 17 Jan 2024

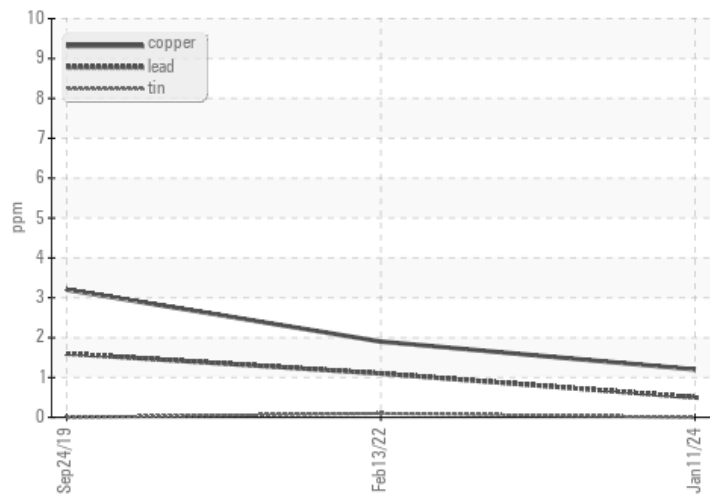


GRAPHS

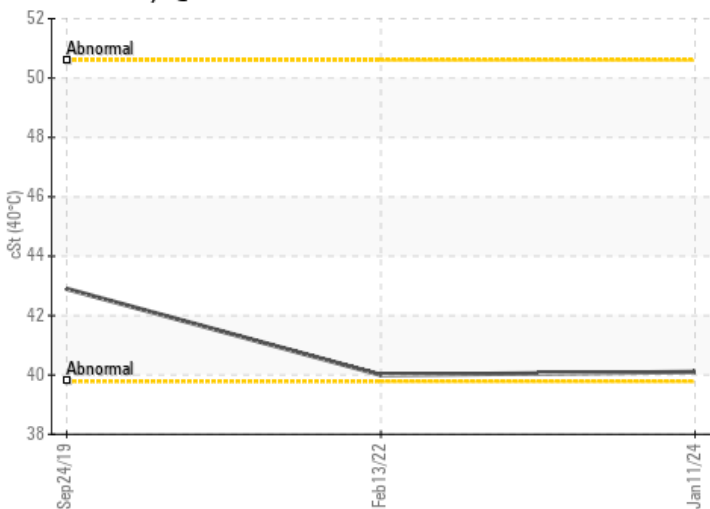
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

