

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 053090-1334 - Hydraulic System

Sample No: LH0278861

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0278861	LH0239416	LH0247518	LH0230595
Sample Date	11 Jan 2024	16 Feb 2023	15 Nov 2022	05 Jul 2022
Machine Hours	9661	7639	7101	6238
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

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	39.9	40.2	40.6	40.8



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		21308	7887	3939	27149
Particles >6µm		4870	1229	310	1574
Particles >14µm		172	62	9	93
ISO 4406:1999 (c)		22/19/15	20/17/13	19/15/10	22/18/14
Silicon	ppm	9	8	7	6
Sodium	ppm	1	2	1	1
Potassium	ppm	2	2	2	2

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. 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	45	28	23	20
Copper	ppm	5	4	4	4
Lead	ppm	11	9	9	8
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	4	3	3	2
Chromium	ppm	4	3	2	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	663	685	681	658
Magnesium	ppm	8	7	7	6
Zinc	ppm	684	685	693	674
Phosphorus	ppm	569	604	598	544
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: WAT70BRA2

Unique No: 5710112

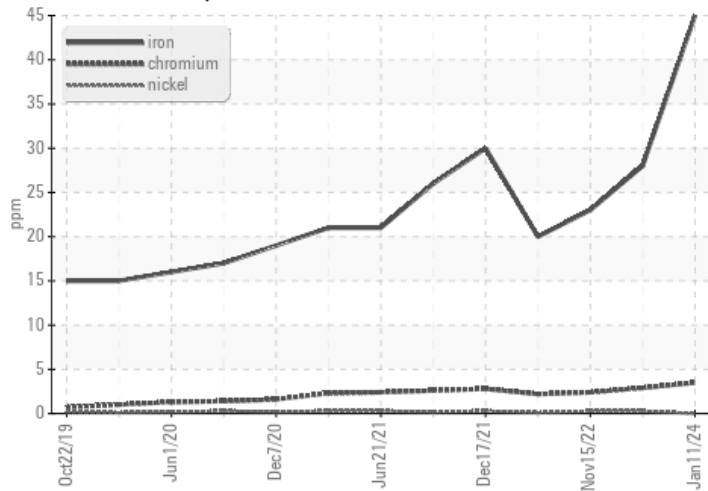
Signed: Wes Davis

Report Date: 17 Jan 2024

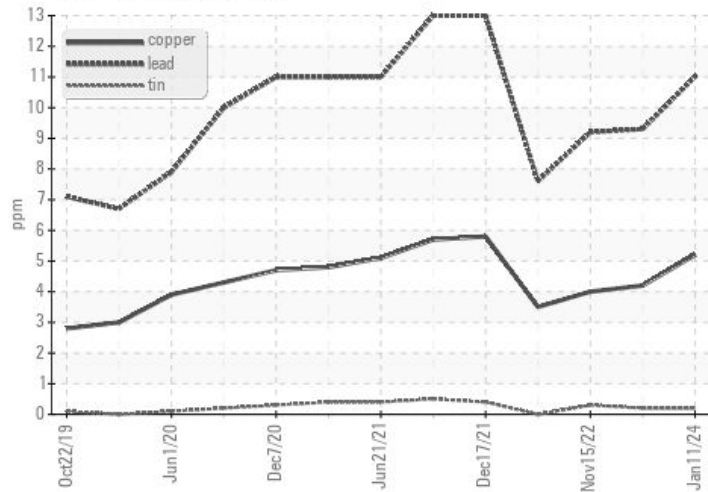


GRAPHS

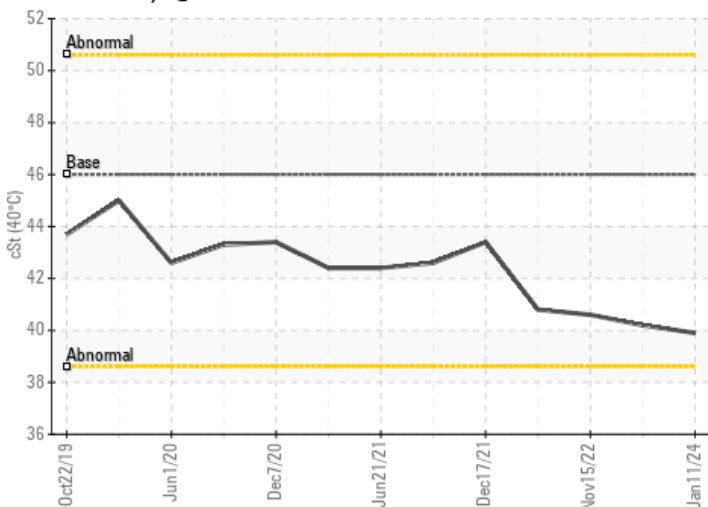
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

