

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 067666-1760 - Hydraulic System

Sample No: LH0176020

Oil Type: TDH FLUID SAE 75W80



SAMPLE INFORMATION

Sample Number	LH0176020	LH0234003	---	---
Sample Date	02 Aug 2023	15 Dec 2022	---	---
Machine Hours	1520	1081	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

WEST CARLETON SAND & GRAVEL INC.
3232 CARP ROAD
CARP, ON
CA K0A 1L0
Contact: Troy Whalen
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T: (613)836-3090
F:



OIL CONDITION

Visc @ 40°C	cSt	● 43.8	● 42.5	---	---
Acid Number (AN)	mg KOH/g	---	● 1.71	---	---



CONTAMINATION

Particles >4µm		● 6967	● 104718	---	---
Particles >6µm		● 1019	● 20270	---	---
Particles >14µm		● 40	● 18	---	---
ISO 4406:1999 (c)		20/17/12	24/22/11	---	---
Silicon	ppm	● 4	● 8	---	---
Sodium	ppm	● 2	● 18	---	---
Potassium	ppm	● <1	● 3	---	---



WEAR METALS

PQ		---	● 0	---	---
Iron	ppm	● 5	● 22	---	---
Copper	ppm	● 2	● 3	---	---
Lead	ppm	● 6	● <1	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 1	● 1	---	---
Chromium	ppm	● <1	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1289	● 3395	---	---
Magnesium	ppm	● 11	● 8	---	---
Zinc	ppm	701	● 1394	---	---
Phosphorus	ppm	● 650	● 1220	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● <1	● 98	---	---

Diagnosis

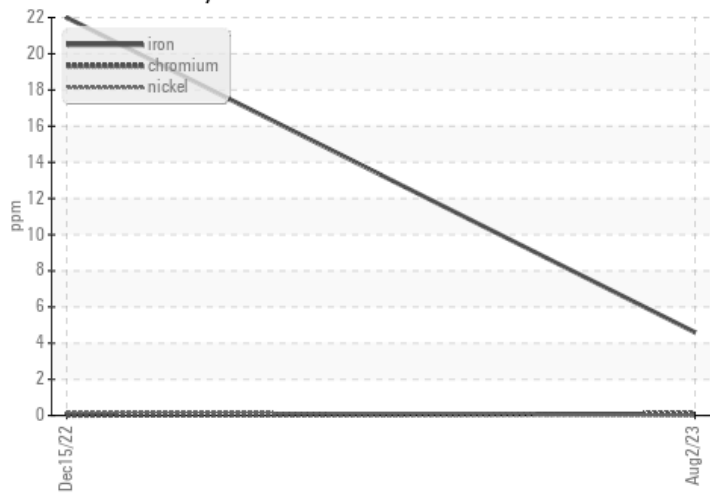
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: WES654STI
Unique No: 5629861
Signed: Kevin Marson
Report Date: 23 Aug 2023

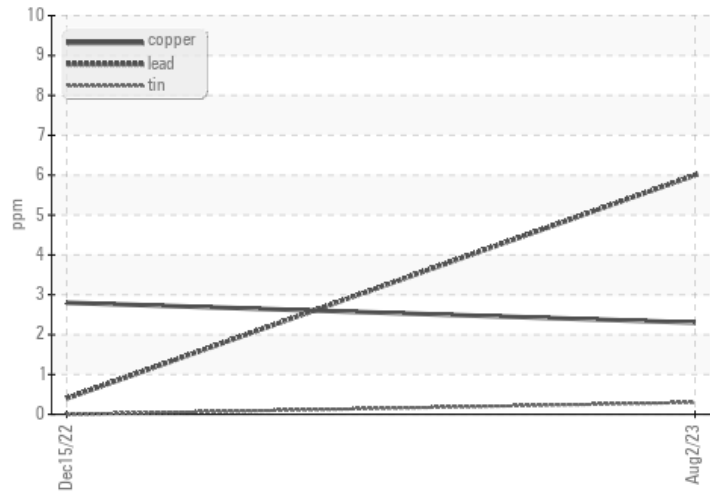


GRAPHS

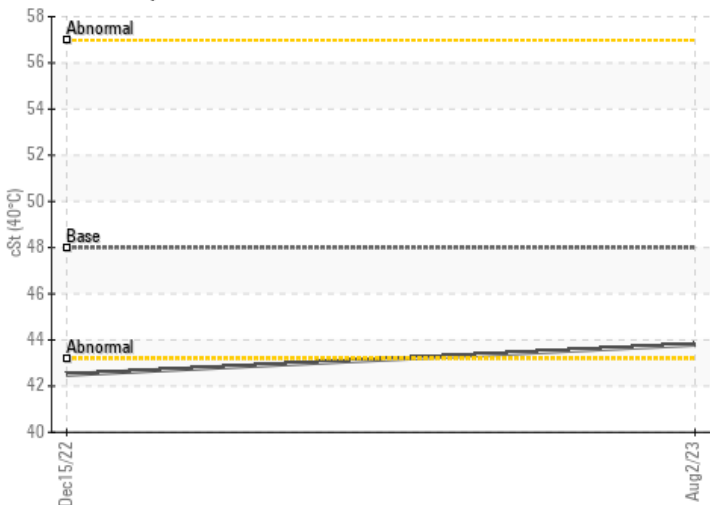
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

