

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 21066 - Hydraulic System

Sample No: LH0186870

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0186870	LH0162856	---	---
Sample Date	06 Jul 2023	09 May 2022	---	---
Machine Hours	18165	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

CLOUTHIER VENTURES LTD.
 59 MATTHEWS STREET, R.R. # 5
 PEMBROKE, ON
 CA K8A 0A6
 Contact: Travis Bennett
 tbennett@clouthierconst.com
 T: (613)735-6531
 F: (613)735-2769



OIL CONDITION

Visc @ 40°C	cSt	● 45.5	● 42.8	---	---
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CONTAMINATION

Particles >4µm		● 1794	● 5214	---	---
Particles >6µm		● 246	● 572	---	---
Particles >14µm		● 10	● 44	---	---
ISO 4406:1999 (c)		18/15/10	20/16/13	---	---
Silicon	ppm	● <1	● 1	---	---
Sodium	ppm	● <1	● <1	---	---
Potassium	ppm	● <1	● 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	● 5	● 15	---	---
Copper	ppm	● <1	● 2	---	---
Lead	ppm	● <1	● 1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	● 0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

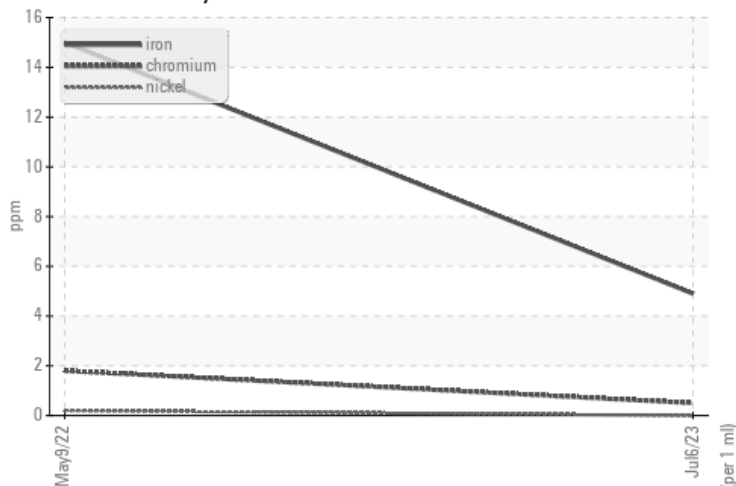
Calcium	ppm	103	114	---	---
Magnesium	ppm	2	6	---	---
Zinc	ppm	825	790	---	---
Phosphorus	ppm	680	643	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	2	---	---

Depot: CLOPEM
 Unique No: 5607185
 Signed: Wes Davis
 Report Date: 14 Jul 2023

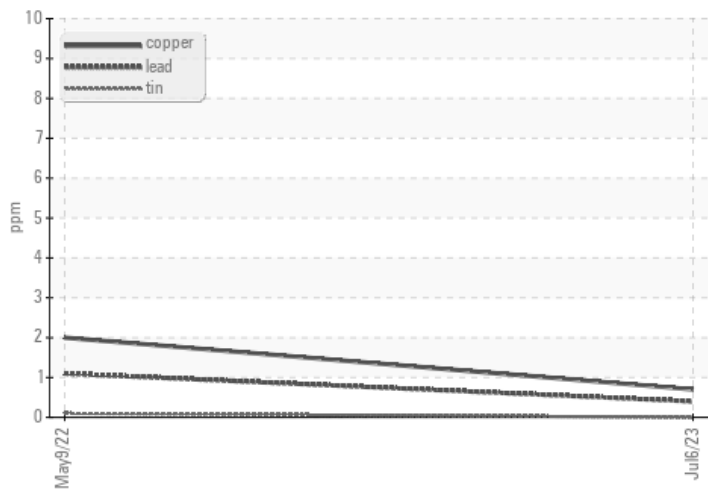


GRAPHS

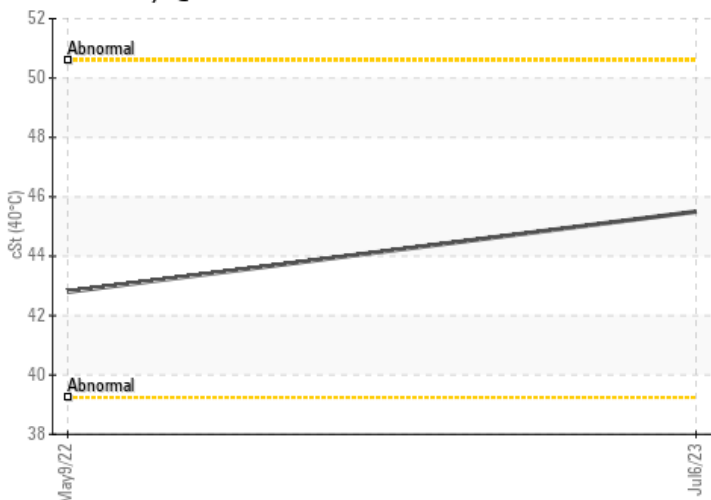
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

