

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L538 L538 - Hydraulic System

Sample No: LH0265453

Oil Type: NOT GIVEN

LIEBHERR CANADA LTEE
4250 AUTOROUTE CHOMEDEY 13
LAVAL, QC
CA H7R 6E9
Contact: Jean-Michel Cartier
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F: (450)963-9176

Diagnosis

Nous vous recommandons de vérifier la présence de particules métalliques visibles dans l'huile. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Présence d'une faible concentration de métal visible. Usure de cylindre. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.



SAMPLE INFORMATION

Sample Number		LH0265453	---	---	---
Sample Date		17 Jul 2023	---	---	---
Machine Hours		0	---	---	---
Oil Hours		0	---	---	---
Oil Changed		N/A	---	---	---
Sample Status		SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 50.2	---	---	---
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CONTAMINATION

Particles >4µm		● 52485	---	---	---
Particles >6µm		● 10271	---	---	---
Particles >14µm		● 320	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 43	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

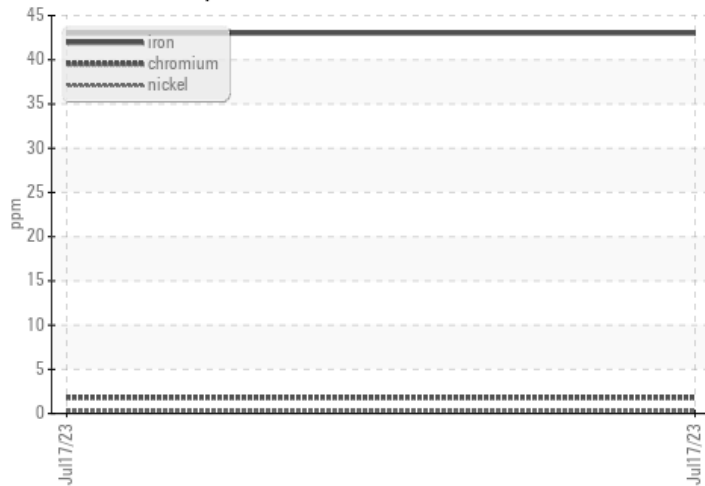
Calcium	ppm	● 13	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 57	---	---	---
Phosphorus	ppm	● 204	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1	---	---	---

Depot: LIESTL
 Unique No: 5607739
 Signed: Kevin Marson
 Report Date: 20 Jul 2023

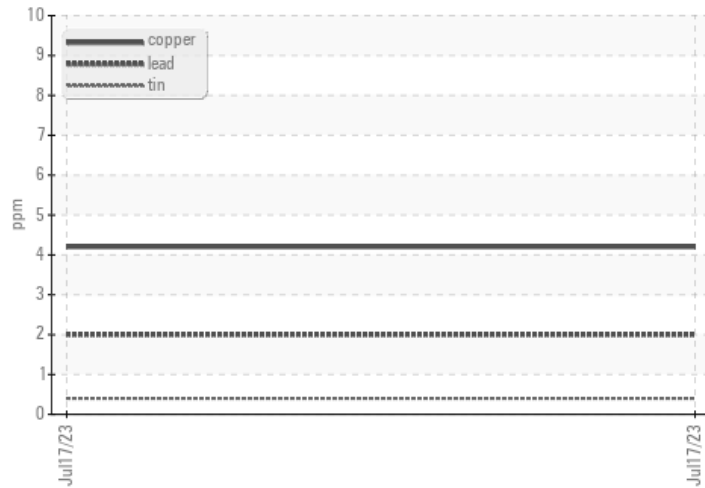


GRAPHS

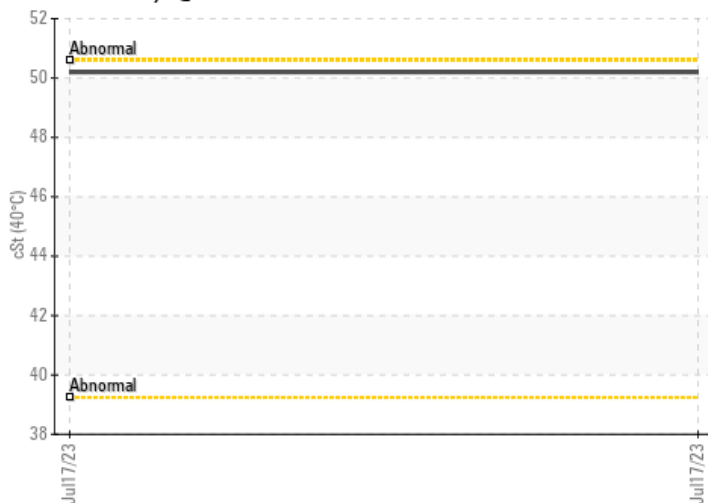
● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Filter (Magn: 100 x)

