

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 137772-1525 - Hydraulic System

Sample No: LH0232637

Oil Type: IRVING HYDRAULIC OIL LP 32

Excavation Dolbeau Inc.

493 - 2ieme Avenue

Dolbeau-Mistassini, QC

CA G8L 1V3

Contact: Service Manager

T:

F:

Diagnostic

We advise that you check for visible metal particles in the oil. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. A light concentration of ferrous cutting wear particles, was filtered from the sample. Cutting wear particles are caused by either hard protuberances (mis-aligned components, etc.), or abrasives entering the system and embedding themselves in softer materials (sand, etc.), and gouging out mating surfaces. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.



Information sur l'échantillon

Numéro d'échant.		LH0232637	---	---	---
Date d'échant.		29 May 2024	---	---	---
Heures de la Machine		3213	---	---	---
Heures de l'huile		0	---	---	---
Huile changée		Not Changed	---	---	---
Statut de l'échant.		ABNORMAL	---	---	---



État d'huile

Visc 40°C	cSt	● 28.6	---	---	---
Indice d'acidité	mg KOH/g	● 0.72	---	---	---



Contamination

Eau	%	NEG	---	---	---
Particules >4μ		● 13402	---	---	---
Particules >6μ		● 1598	---	---	---
Particules >14μ		● 34	---	---	---
ISO 4406:1999 (c)		21/18/12	---	---	---
Silicium	ppm	● 1	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● <1	---	---	---



Métaux d'usure

Fer	ppm	● 10	---	---	---
Cuivre	ppm	● 6	---	---	---
Plomb	ppm	● <1	---	---	---
Étain	ppm	● 0	---	---	---
Aluminium	ppm	● <1	---	---	---
Chrome	ppm	● 5	---	---	---
Molybdène	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titane	ppm	0	---	---	---
Argent	ppm	0	---	---	---
Manganèse	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



Additifs

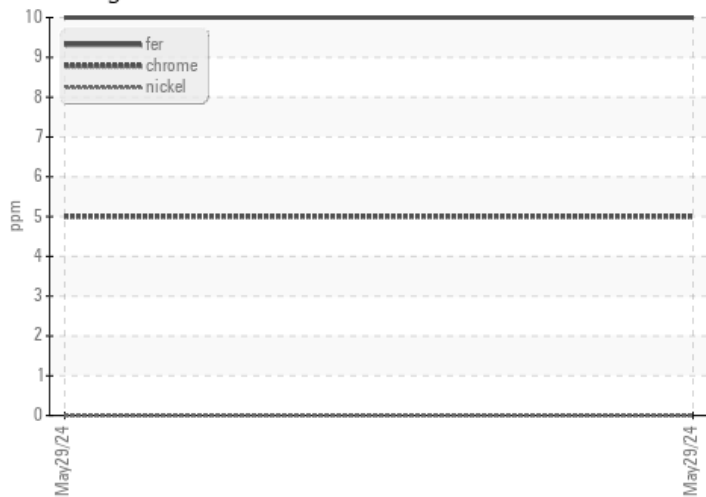
Calcium	ppm	541	---	---	---
Magnésium	ppm	● 8	---	---	---
Zinc	ppm	● 522	---	---	---
Phosphore	ppm	● 426	---	---	---
Baryum	ppm	● 0	---	---	---
Bore	ppm	● 3	---	---	---

Depot: EXCDOL
Unique No: 5788592
Signed: Kevin Marson
Report Date: 06 Jun 2024

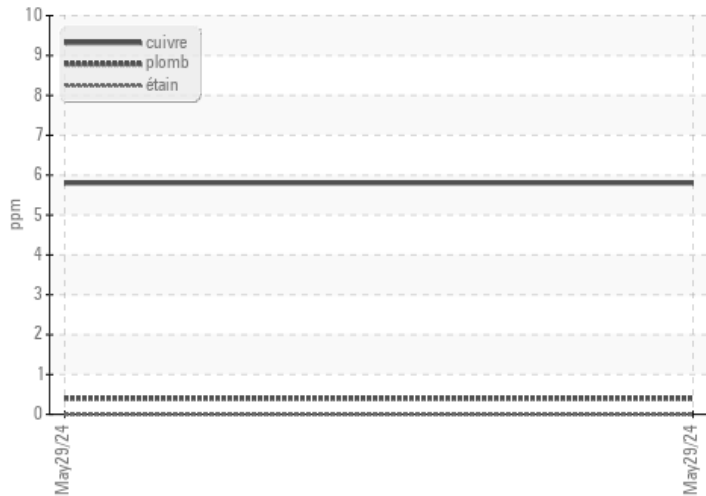


Graphs

Alliages ferreux



Métaux non-ferreux



Viscosité 40°C



Particle Filter (Magn: 100 x)



Indice d'acidité

