

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L546 068222-1755 - Diesel Engine

Sample No: LH0266772

Oil Type: SHELL 15W40



#### SAMPLE INFORMATION

Sample Number	LH0266772	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Groupe Allaire Gince

70 rue Gatineau

Granby, QC

CA J2J 0P1

Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	10.6	---	---	---
Oxidation (PA)	%	81	---	---	---

T:

F:



#### CONTAMINATION

Soot %	%	0.2	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.9	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	7	---	---	---
Potassium	ppm	4	---	---	---

#### Diagnosis

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant. La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	51	---	---	---
Copper	ppm	461	---	---	---
Lead	ppm	13	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	249	---	---	---
Nickel	ppm	5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1559	---	---	---
Magnesium	ppm	819	---	---	---
Zinc	ppm	1118	---	---	---
Phosphorus	ppm	930	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	116	---	---	---

Depot: GROGRA

Unique No: 5646482

Signed: Kevin Marson

Report Date: 28 Sep 2023



### GRAPHS

