

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 145793-1216 - Diesel Engine

Sample No: LH  
Oil Type: SAE 5W40



**PF Resolu Canada Inc.**  
5850 avenue des jardins  
La Dore, QC  
CA G8J 1B4  
Contact: Dominic Caron



#### SAMPLE INFORMATION

Sample Number	LH	WC	LH0259742	---
Sample Date	02 Aug 2023	04 Jul 2023	17 May 2023	---
Machine Hours	2500	2000	1026	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	NORMAL	SEVERE	NORMAL	---



#### OIL CONDITION

Visc @ 100°C	cSt	11.6	11.5	11.4	---
Oxidation (PA)	%	76	79	86	---



#### CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	78	79	79	---
Sulfation (PA)	%	57	57	59	---
Glycol	%	NEG	NEG	0.0	---
Fuel	%	<1.0	<1.0	1.5	---
Silicon	ppm	6	8	7	---
Sodium	ppm	5	4	4	---
Potassium	ppm	<1	<1	<1	---



#### WEAR METALS

Iron	ppm	4	9	5	---
Copper	ppm	7	45	360	---
Lead	ppm	<1	2	9	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	55	61	60	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	810	819	871	---
Magnesium	ppm	1081	1115	1067	---
Zinc	ppm	1183	1179	1138	---
Phosphorus	ppm	1047	1043	1010	---
Barium	ppm	0	<1	2	---
Boron	ppm	24	21	34	---

T:  
F:

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: ABILAD  
Unique No: 5619508  
Signed: Wes Davis  
Report Date: 08 Aug 2023



### GRAPHS

