

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 142911-1216 - Front Differential

Sample No: LH0246028

Oil Type: MOBIL MOBILUBE HD 80W90



#### Scierie Landrienne

Div. Les Chantiers Chibougamau, 389 Chemin du Moulin  
Landrienne, QC  
CA J0Y 1V0  
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#### SAMPLE INFORMATION

Sample Number	LH0246028	LH0246004	---	---
Sample Date	03 Nov 2023	09 Jun 2023	---	---
Machine Hours	4990	3030	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 182	● 183	---	---
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#### CONTAMINATION

Silicon	ppm	● 6	● 6	---	---
Sodium	ppm	● 2	● 3	---	---
Potassium	ppm	● 0	● 0	---	---



#### WEAR METALS

Iron	ppm	● 55	● 45	---	---
Copper	ppm	● 48	● 40	---	---
Lead	ppm	● 2	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 1	● 1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 2	● 2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 7	● 6	---	---
Magnesium	ppm	● 0	● <1	---	---
Zinc	ppm	● 33	● 28	---	---
Phosphorus	ppm	● 1162	● 1255	---	---
Barium	ppm	306	335	---	---
Boron	ppm	6	1	---	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Il n'y a aucun indice de contamination dans l'huile. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: SCILAN  
Unique No: 5681989  
Signed: Kevin Marson  
Report Date: 16 Nov 2023



### GRAPHS

