

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(370850)] LIEBHERR L526 048566-1558 - Diesel Engine

Sample No: LH0250787

Oil Type: SAE 5W30



#### SAMPLE INFORMATION

Sample Number	LH0250787	---	---	---
Sample Date	08 Feb 2023	---	---	---
Machine Hours	2005	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**CEDRE C. MEILLEUR**

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KIAMIKA, QC

CA J0W 1G0

Contact: Service Manager



#### OIL CONDITION

Visc @ 100°C	cSt	7.3	---	---	---
Oxidation (PA)	%	83	---	---	---

T:

F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	100	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	23	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	8	---	---	---

#### Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



#### WEAR METALS

Iron	ppm	30	---	---	---
Copper	ppm	17	---	---	---
Lead	ppm	6	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	6	---	---	---
Chromium	ppm	1	---	---	---
Molybdenum	ppm	8	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1518	---	---	---
Magnesium	ppm	90	---	---	---
Zinc	ppm	792	---	---	---
Phosphorus	ppm	758	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	29	---	---	---

Depot: CEDKIA

Unique No: 5528000

Signed: Wes Davis

Report Date: 14 Feb 2023



### GRAPHS

