

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH60M 099250-1475 - Diesel Engine

Sample No: LH0122779

Oil Type: PETRO CANADA DURON UHP 5W30



**J.D. Irving Sussex**  
 39C Rte 890, Sussex Garage  
 Four Corners, NB  
 CA E4G 2W1  
 Contact: Mike Coates  
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 T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LH0122779	---	---	---
Sample Date	22 Feb 2018	---	---	---
Machine Hours	545	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	67.4	---	---	---
Visc @ 100°C	cSt	11.6	---	---	---
Viscosity Index (VI)	Scale	168	---	---	---
Oxidation (PA)	%	185	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	103	---	---	---
Sulfation (PA)	%	100	---	---	---
Glycol	%	0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	10	---	---	---



#### WEAR METALS

Iron	ppm	10	---	---	---
Copper	ppm	49	---	---	---
Lead	ppm	5	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	34	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1529	---	---	---
Magnesium	ppm	715	---	---	---
Zinc	ppm	826	---	---	---
Phosphorus	ppm	659	---	---	---
Barium	ppm	48	---	---	---
Boron	ppm	80	---	---	---

#### Diagnosis

We advise that you check for faulty combustion and a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. A small degree of oil oxidation was indicated. The oil is no longer serviceable.

Depot: JDISUS  
 Unique No: 4668236  
 Signed: Bill Quesnel  
 Report Date: 10 Apr 2018



### GRAPHS

