

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(362420)] LIEBHERR L580 065390-17 60 - Diesel Engine

Sample No: LH0218118

Oil Type: SHELL ROTELLA T6 5W40



#### SAMPLE INFORMATION

Sample Number	LH0218118	LH0218115	---	---
Sample Date	12 May 2023	13 Feb 2023	---	---
Machine Hours	1331	700	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

HUBERT & FILS

474 ROUTE 105  
BOIS-FRANC, QC  
CA J9E 3A9

Contact: Eric Brisebois  
ericbrisebois99@gmail.com

T:  
F:



#### OIL CONDITION

Visc @ 100°C	cSt	13.4	12.3	---	---
Oxidation (PA)	%	84	188	---	---



#### CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	71	94	---	---
Sulfation (PA)	%	64	109	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.7	---	---
Silicon	ppm	13	9	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	3	2	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	6	9	---	---
Copper	ppm	165	257	---	---
Lead	ppm	4	8	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	5	41	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1976	1533	---	---
Magnesium	ppm	180	823	---	---
Zinc	ppm	1103	911	---	---
Phosphorus	ppm	937	857	---	---
Barium	ppm	5	22	---	---
Boron	ppm	104	95	---	---

Depot: HUBBOI  
Unique No: 5604584  
Signed: Wes Davis  
Report Date: 30 Jun 2023



### GRAPHS

