

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 038599 - Diesel Engine

Sample No: LH0140656

Oil Type: DIESEL ENGINE OIL SAE 15W40



COMPAGNIE COMMONWEALTH PLYWOOD LTEE  
300 RUE GODARD  
MONT-LAURIER, QC  
CA J9L 3W2  
Contact: MARTIN ST-PIERRE

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#### 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. Le test de glycol est négatif. Il n'y a aucun indice de contamination dans le l'huile. L'état de l'huile est acceptable pour la durée de service.



#### SAMPLE INFORMATION

Sample Number	LH0140656	LH0121358	LH0114596	---
Sample Date	13 Mar 2020	13 Feb 2018	04 Apr 2017	---
Machine Hours	5233	2150	1010	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 100°C	cSt	14.6	14.7	13.0	---
Oxidation (PA)	%	69	69	67	---



#### CONTAMINATION

Soot %	%	1.2	1.2	0.7	---
Nitration (PA)	%	94	94	78	---
Sulfation (PA)	%	74	63	65	---
Glycol	%	0.0	0.0	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	8	7	---
Sodium	ppm	60	524	2	---
Potassium	ppm	11	126	<1	---



#### WEAR METALS

Iron	ppm	34	43	43	---
Copper	ppm	6	17	193	---
Lead	ppm	<1	2	7	---
Tin	ppm	<1	<1	1	---
Aluminum	ppm	4	4	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	44	64	53	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	<1	<1	1	---
Vanadium	ppm	0	<1	0	---



#### ADDITIVES

Calcium	ppm	1486	1145	1192	---
Magnesium	ppm	701	915	889	---
Zinc	ppm	1274	1284	1256	---
Phosphorus	ppm	1062	1027	1025	---
Barium	ppm	<1	<1	4	---
Boron	ppm	26	11	3	---

Depot: COMMTL  
Unique No: 5019617  
Signed: Wes Davis  
Report Date: 18 Mar 2020



### GRAPHS

