

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 053535-1484 - Diesel Engine

Sample No: LH0261065

Oil Type: DIESEL ENGINE OIL SAE 5W40



#### SAMPLE INFORMATION

Sample Number	LH0261065	LH0152885	LH0152883	LH0176515
Sample Date	24 Jul 2023	13 Nov 2020	02 Oct 2020	15 Sep 2020
Machine Hours	15943	4779	4294	2000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Les Entreprises Forestieres V. Labranche Inc.  
101 Rue De La Carriere  
TEMISCAMIGUE, QC  
CA J0Z 3R0  
Contact: Richard Dodier  
rdodier@entreprises-labranche.com  
T: (705)840-0762  
F:



#### OIL CONDITION

Visc @ 100°C	cSt	13.2	15.2	15.1	15.6
Oxidation (PA)	%	71	65	68	66



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	71	62	64	56
Sulfation (PA)	%	57	57	58	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	7	6	6
Sodium	ppm	3	4	4	2
Potassium	ppm	<1	2	2	2



#### WEAR METALS

Iron	ppm	4	3	3	2
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	54	<1	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	978	1913	1899	1985
Magnesium	ppm	997	81	76	80
Zinc	ppm	1201	1109	1097	1091
Phosphorus	ppm	1072	902	893	937
Barium	ppm	0	<1	<1	<1
Boron	ppm	20	139	128	155

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

Depot: LABTEM  
Unique No: 5617959  
Signed: Wes Davis  
Report Date: 28 Jul 2023



### GRAPHS

