

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(368400)] LIEBHERR L556 065495-1826 - Diesel Engine

Sample No: LH0259836

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0259836	LH0259839	LH0250708	LH0223861
Date d'échant.	23 Aug 2023	20 Jun 2023	22 Mar 2023	11 May 2022
Heures de la Machine	6985	6305	5067	1000
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

Eacom Timber Corporation

100 Old Nairn Centre Road

Nairn Centre, ON

CA P0M 2L0

Contact: Service Manager



#### ÉTAT D'HUILE

Visc 100°C	cSt	11.6	11.7	12.1	12.1
Oxydation (PA)	%	83	98	108	198

T:

F:



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	88	96	101	109
Sulfatation (PA)	%	58	63	68	106
Glycol	%	0.047	NEG	NEG	NEG
Essence	%	1.5	<1.0	<1.0	<1.0
Silicium	ppm	11	7	7	10
Sodium	ppm	6	5	6	3
Potassium	ppm	1	<1	1	4

#### Diagnostic

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. No other corrective action is recommended at this time. All component wear rates are normal. Test for glycol is positive. Light fuel dilution occurring. There is a moderate concentration of glycol present in the oil. There is a moderate concentration of water present in the oil. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.



#### MÉTAUX D'USURE

Fer	ppm	7	9	13	18
Cuivre	ppm	3	3	4	268
Plomb	ppm	<1	0	<1	10
Étain	ppm	<1	<1	<1	2
Aluminium	ppm	2	1	2	3
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	57	57	60	49
Nickel	ppm	0	0	<1	0
Titane	ppm	<1	0	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	798	838	893	1316
Magnésium	ppm	1106	1100	1117	974
Zinc	ppm	1191	1193	1227	960
Phosphore	ppm	1077	1051	1103	846
Baryum	ppm	0	0	0	24
Bore	ppm	22	18	24	72

Depot: EACNAI

Unique No: 5643770

Signed: Bill Quesnel

Report Date: 18 Sep 2023



### GRAPHS

