

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 054019-1332 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA 15W40



#### SAMPLE INFORMATION

Sample Number	LH	LH0260791	LH0250865	LH0235178
Sample Date	14 Jul 2023	06 May 2023	12 Feb 2023	30 Sep 2022
Machine Hours	11575	11040	10229	8990
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**VEXCO INC.**  
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#### OIL CONDITION

Visc @ 100°C	cSt	13.8	12.1	11.9	13.5
Oxidation (PA)	%	63	86	82	67



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	67	83	83	70
Sulfation (PA)	%	52	59	61	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.9	<1.0
Silicon	ppm	6	8	11	6
Sodium	ppm	2	4	4	2
Potassium	ppm	<1	1	4	0



#### WEAR METALS

Iron	ppm	5	4	4	3
Copper	ppm	1	2	2	2
Lead	ppm	<1	<1	<1	1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	2	4	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	58	62	58	57
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	<1	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1035	899	911	1100
Magnesium	ppm	1000	1124	1106	939
Zinc	ppm	1195	1212	1254	1183
Phosphorus	ppm	1062	1080	1122	1055
Barium	ppm	0	0	0	0
Boron	ppm	2	22	26	3

#### 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: VEXSTF  
 Unique No: 5607869  
 Signed: Wes Davis  
 Report Date: 19 Jul 2023

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### GRAPHS

