

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(345488)] LIEBHERR LH30M 129336-1253 - Diesel Engine

Sample No: LH0279334

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0279334	LH	LH0251184	LH0239089
Sample Date	15 Dec 2023	05 Jun 2023	25 Feb 2023	05 Nov 2022
Machine Hours	5572	4596	4090	3395
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

#### VEXCO INC.

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#### OIL CONDITION

Visc @ 100°C	cSt	13.7	11.6	11.7	13.1
Oxidation (PA)	%	60	80	82	63



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	56	79	80	63
Sulfation (PA)	%	51	58	63	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.2	<1.0	<1.0
Silicon	ppm	10	6	6	5
Sodium	ppm	1	4	4	2
Potassium	ppm	<1	1	<1	0

#### 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.



#### WEAR METALS

Iron	ppm	2	3	4	3
Copper	ppm	4	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	2	1	2
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	58	58	59	56
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	1045	871	896	1136
Magnesium	ppm	967	1132	1125	918
Zinc	ppm	1182	1236	1276	1184
Phosphorus	ppm	1010	1095	1124	1054
Barium	ppm	0	0	0	0
Boron	ppm	<1	29	31	1

Depot: VEXSTF  
Unique No: 5698266  
Signed: Kevin Marson  
Report Date: 27 Dec 2023



### GRAPHS

