

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(360377)] LIEBHERR L580 059426-1464 - Diesel Engine

Sample No: LH0237657

Oil Type: PETRO CANADA 10W40



#### Information sur l'échantillon

Numéro d'échant.	LH0237657	LH0187106	LH0237638	LH0237635
Date d'échant.	03 May 2024	19 Jan 2024	08 Sep 2023	19 Jul 2023
Heures de la Machine	6520	5883	5106	4747
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

**CLOUTHIER VENTURES LTD.**  
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#### État d'huile

Visc 100°C	cSt	11.3	13.6	14.1	13.1
Oxydation (PA)	%	57	58	55	57



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	53	53	48	57
Sulfatation (PA)	%	51	51	50	53
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.6	<1.0	<1.0	<1.0
Silicium	ppm	3	4	4	5
Sodium	ppm	2	<1	1	2
Potassium	ppm	<1	<1	<1	<1

#### Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### Métaux d'usure

Fer	ppm	4	4	2	4
Cuivre	ppm	<1	<1	<1	2
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	0	0	<1
Aluminium	ppm	<1	1	<1	<1
Chrome	ppm	0	0	0	<1
Molybdène	ppm	59	54	57	56
Nickel	ppm	0	<1	0	0
Titane	ppm	<1	2	0	0
Argent	ppm	0	0	<1	<1
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	1038	1057	1026	1004
Magnésium	ppm	982	917	957	981
Zinc	ppm	1171	1139	1165	1169
Phosphore	ppm	1008	1000	974	1036
Baryum	ppm	0	0	<1	0
Bore	ppm	2	5	1	5

Depot: CLOPEM  
 Unique No: 5776742  
 Signed: Kevin Marson  
 Report Date: 16 May 2024



### Graphs

