

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 040987-1170 - Diesel Engine

Sample No: LH0234745

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0234745	LH0202865	LH0242562	---
Date d'échant.	11 Jul 2023	02 Mar 2023	27 Oct 2022	---
Heures de la Machine	9082	8565	8084	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	NORMAL	NORMAL	NORMAL	---

THOMAS CAVANAGH CONSTRUCTION LTD  
RR # 2, 9094 CAVANAGH ROAD  
ASHTON, ON  
CA K0A 1B0  
Contact: Keith



#### ÉTAT D'HUILE

Visc 100°C	cSt	14.0	12.8	12.2	---
Oxydation (PA)	%	58	62	86	---

T: (613)257-4995  
F: (613)253-0071



#### CONTAMINATION

% de suie	%	1.4	1.9	1.5	---
Nitration (PA)	%	68	77	83	---
Sulfatation (PA)	%	59	68	72	---
Glycol	%	NEG	NEG	NEG	---
Essence	%	<1.0	<1.0	<1.0	---
Silicium	ppm	5	5	7	---
Sodium	ppm	2	3	6	---
Potassium	ppm	1	2	3	---

#### Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	17	22	18	---
Cuivre	ppm	9	10	4	---
Plomb	ppm	2	2	<1	---
Étain	ppm	<1	1	<1	---
Aluminium	ppm	2	2	3	---
Chrome	ppm	<1	<1	<1	---
Molybdène	ppm	59	57	42	---
Nickel	ppm	0	<1	<1	---
Titane	ppm	<1	3	<1	---
Argent	ppm	0	0	0	---
Manganèse	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIFS

Calcium	ppm	1065	1186	1744	---
Magnésium	ppm	990	936	507	---
Zinc	ppm	1226	1223	1078	---
Phosphore	ppm	1074	1095	1000	---
Baryum	ppm	0	0	0	---
Bore	ppm	2	5	20	---

Depot: CAVASH  
Unique No: 5606669  
Signed: Kevin Marson  
Report Date: 13 Jul 2023



### GRAPHS

