

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 057998-1334 - Diesel Engine

Sample No: LH0281536

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0281536	LH0274665	LH0234855	LH0256523
Date d'échant.	05 Dec 2023	19 Sep 2023	05 Jul 2023	23 Mar 2023
Heures de la Machine	7545	7088	6582	6035
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	ABNORMAL

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



#### ÉTAT D'HUILE

Visc 100°C	cSt	12.7	13.5	12.8	11.3
Oxydation (PA)	%	63	58	61	71

T: (613)257-4995  
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#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	61	59	67	79
Sulfatation (PA)	%	52	50	52	60
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	1.6	<1.0	<1.0	2.1
Silicium	ppm	7	5	6	7
Sodium	ppm	2	1	2	4
Potassium	ppm	2	0	1	1

#### Diagnostic

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



#### MÉTAUX D'USURE

Fer	ppm	3	3	4	3
Cuivre	ppm	<1	1	2	<1
Plomb	ppm	<1	<1	<1	0
Étain	ppm	0	0	<1	<1
Aluminium	ppm	1	1	1	2
Chrome	ppm	0	<1	<1	0
Molybdène	ppm	56	55	58	58
Nickel	ppm	<1	0	0	<1
Titane	ppm	0	<1	<1	2
Argent	ppm	<1	<1	<1	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	957	1026	1110	935
Magnésium	ppm	994	934	992	1083
Zinc	ppm	1174	1146	1235	1213
Phosphore	ppm	975	994	1109	1115
Baryum	ppm	<1	0	0	0
Bore	ppm	12	<1	6	40

Depot: CAVASH  
Unique No: 5694847  
Signed: Kevin Marson  
Report Date: 12 Dec 2023



### GRAPHS

