

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R930 052446-1716 - Diesel Engine

Sample No: LH0274329

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0274329	LH0202909	LH0242614	---
Date d'échant.	10 Nov 2023	12 Jun 2023	15 Nov 2022	---
Heures de la Machine	3497	2977	2489	---
Heures de l'huile	0	0	0	---
Huile changée	Changed	Changed	Changed	---
Statut de l'échant.	NORMAL	ABNORMAL	NORMAL	---

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



#### ÉTAT D'HUILE

Visc 100°C	cSt	12.9	11.5	11.4	---
Oxydation (PA)	%	65	74	62	---

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

% de suie	%	0	0	0	---
Nitration (PA)	%	63	77	71	---
Sulfatation (PA)	%	53	55	57	---
Glycol	%	NEG	NEG	NEG	---
Essence	%	<1.0	1.7	<1.0	---
Silicium	ppm	6	8	9	---
Sodium	ppm	2	4	2	---
Potassium	ppm	<1	<1	2	---

#### 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	3	4	4	---
Cuivre	ppm	2	1	1	---
Plomb	ppm	<1	<1	<1	---
Étain	ppm	0	<1	<1	---
Aluminium	ppm	1	2	2	---
Chrome	ppm	0	0	0	---
Molybdène	ppm	57	55	5	---
Nickel	ppm	0	<1	<1	---
Titane	ppm	<1	6	77	---
Argent	ppm	<1	0	0	---
Manganèse	ppm	0	<1	<1	---
Vanadium	ppm	0	0	<1	---



#### ADDITIFS

Calcium	ppm	1037	938	1774	---
Magnésium	ppm	975	1062	376	---
Zinc	ppm	1214	1229	1106	---
Phosphore	ppm	986	1101	1036	---
Baryum	ppm	<1	0	<1	---
Bore	ppm	6	47	103	---

Depot: CAVASH  
Unique No: 5672803  
Signed: Kevin Marson  
Report Date: 14 Nov 2023



### GRAPHS

