

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(355226)] LIEBHERR R938 053191-1650 - Diesel Engine

Sample No: LH0291108

Oil Type: PETRO CANADA 10W40



#### Information sur l'échantillon

Numéro d'échant.	LH0291108	LH0284898	LH0274642	LH0279026
Date d'échant.	17 May 2024	13 Feb 2024	01 Nov 2023	01 Nov 2023
Heures de la Machine	4468	3960	3610	3610
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	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	11.9	11.9	11.7	13.2
Oxydation (PA)	%	90	76	68	71

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



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	88	76	68	73
Sulfatation (PA)	%	62	55	53	55
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	1.3	1.5	<1.0
Silicium	ppm	8	9	7	7
Sodium	ppm	4	4	2	2
Potassium	ppm	2	3	0	0

#### 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	6	4	3	4
Cuivre	ppm	2	1	2	3
Plomb	ppm	0	0	<1	<1
Étain	ppm	0	0	0	0
Aluminium	ppm	2	3	1	2
Chrome	ppm	<1	<1	0	<1
Molybdène	ppm	60	59	60	59
Nickel	ppm	0	0	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	0	<1	<1
Manganèse	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	887	858	1071	1066
Magnésium	ppm	1160	1091	981	973
Zinc	ppm	1253	1197	1215	1204
Phosphore	ppm	1025	1030	1008	986
Baryum	ppm	0	0	<1	<1
Bore	ppm	25	35	2	1

Depot: CAVASH  
Unique No: 5786241  
Signed: Kevin Marson  
Report Date: 23 May 2024



### Graphs

