

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(347307)] LIEBHERR R934 052025-1550 - Diesel Engine

Sample No: LH0270383

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270383	LH0239225	LH0239534	LH0227471
Date d'échant.	27 Jul 2023	15 Nov 2022	27 Jul 2022	09 Mar 2022
Heures de la Machine	2842	1904	1478	979
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	ABNORMAL	NORMAL

**MOFFATT SCRAP IRON & METAL INC.**  
 9620 GUELPH LINE  
 CAMPBELLVILLE, ON  
 CA L0P 1B0  
 Contact: Paul Brochu  
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#### ÉTAT D'HUILE

Visc 100°C	cSt	13.2	13.1	11.7	11.9
Oxydation (PA)	%	71	73	89	102



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	78	75	85	92
Sulfatation (PA)	%	57	57	62	69
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	1.1	1.7
Silicium	ppm	7	8	8	8
Sodium	ppm	2	2	5	4
Potassium	ppm	<1	1	<1	2



#### MÉTAUX D'USURE

Fer	ppm	5	4	6	9
Cuivre	ppm	3	4	13	73
Plomb	ppm	1	1	2	3
Étain	ppm	<1	<1	<1	1
Aluminium	ppm	1	2	2	2
Chrome	ppm	<1	0	<1	<1
Molybdène	ppm	60	58	58	58
Nickel	ppm	0	<1	0	<1
Titane	ppm	0	<1	<1	0
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1104	1127	836	870
Magnésium	ppm	1018	975	1136	1171
Zinc	ppm	1253	1218	1232	1191
Phosphore	ppm	1093	1064	1004	1001
Baryum	ppm	<1	<1	<1	3
Bore	ppm	4	3	25	31

#### 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.

Depot: MOFMOF  
 Unique No: 5618194  
 Signed: Wes Davis  
 Report Date: 31 Jul 2023



### GRAPHS

