

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 124550-1216 - Diesel Engine

Sample No: LH0270140

Oil Type: PETRO CANADA 10W40



COMBINED METAL INDUSTRIES-PUBLIC YARD  
129 FENMAR DR  
TORONTO, ON  
CA M9L 1M7  
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F: x:



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270140	LH0270577	LH0247216	LH0251642
Date d'échant.	27 Sep 2023	01 Aug 2023	11 Apr 2023	08 Feb 2023
Heures de la Machine	12565	11935	10794	10128
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL



#### ÉTAT D'HUILE

Visc 100°C	cSt	12.9	13.1	12.9	11.6
Oxydation (PA)	%	75	73	69	85



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	71	71	69	82
Sulfatation (PA)	%	57	58	53	63
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	7	6	7	8
Sodium	ppm	2	2	2	4
Potassium	ppm	4	6	2	3



#### MÉTAUX D'USURE

Fer	ppm	4	4	3	4
Cuivre	ppm	2	3	2	2
Plomb	ppm	<1	<1	0	0
Étain	ppm	0	0	0	0
Aluminium	ppm	2	3	2	2
Chrome	ppm	0	<1	0	0
Molybdène	ppm	59	59	59	58
Nickel	ppm	0	<1	<1	0
Titane	ppm	0	0	<1	<1
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1066	1044	1117	883
Magnésium	ppm	982	996	984	1098
Zinc	ppm	1198	1211	1214	1216
Phosphore	ppm	959	1047	1071	1087
Baryum	ppm	<1	0	0	0
Bore	ppm	<1	2	4	22

#### Diagnostic

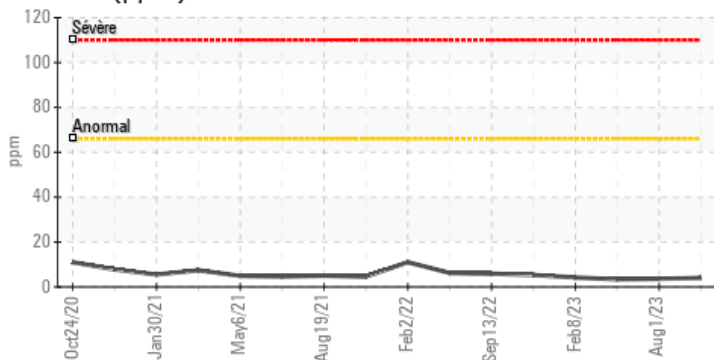
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: COMTOR  
Unique No: 5654896  
Signed: Kevin Marson  
Report Date: 28 Sep 2023

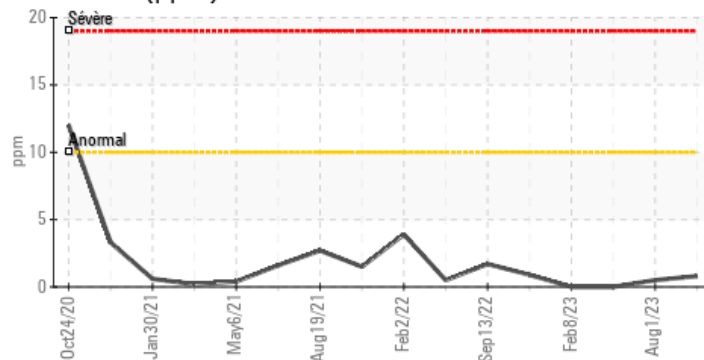


### GRAPHS

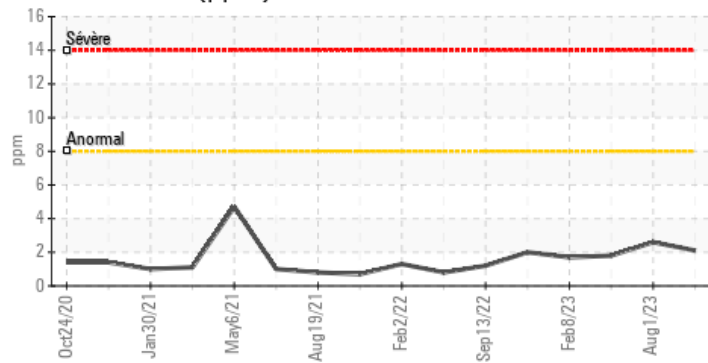
Fer (ppm)



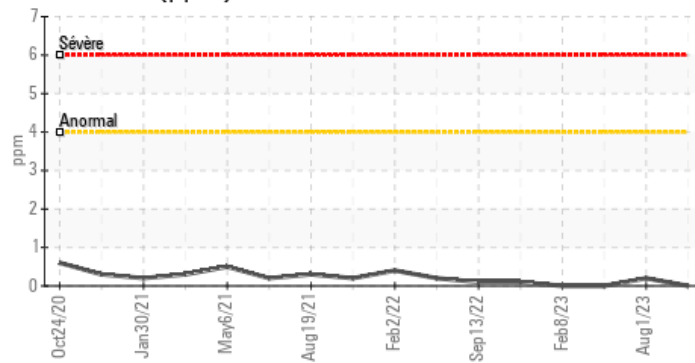
Plomb (ppm)



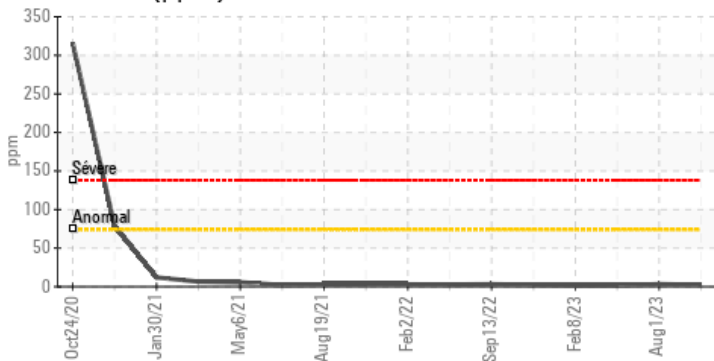
Aluminium (ppm)



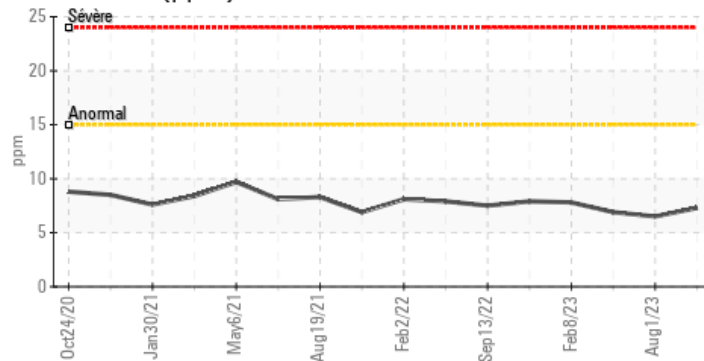
Chrome (ppm)



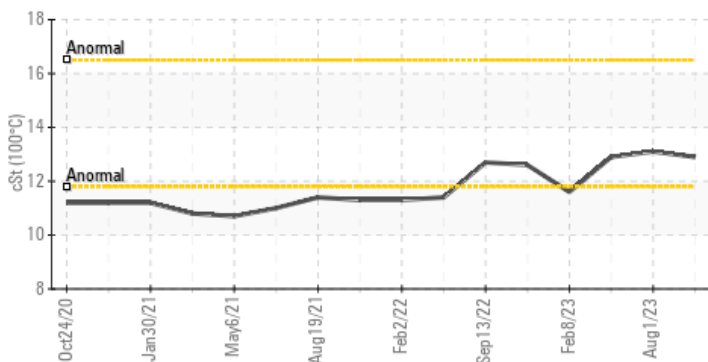
Cuivre (ppm)



Silicium (ppm)



Viscosité 100°C



% de suie

