

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(341437)] LIEBHERR LH50M 128335-1216 - Diesel Engine

Sample No: LH0270146

Oil Type: SAE 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.	LH0270146	LH0266024	LH0256661	LH0251797
Date d'échant.	27 Sep 2023	25 Jul 2023	13 Apr 2023	22 Feb 2023
Heures de la Machine	10573	9871	8766	8255
Heures de l'huile	0	0	0	0
Huile changée	N/A	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	ABNORMAL



#### ÉTAT D'HUILE

Visc 100°C	cSt	13.1	12.5	13.2	11.7
Oxydation (PA)	%	75	79	67	81



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	73	75	68	84
Sulfatation (PA)	%	56	61	52	61
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	1.6
Silicium	ppm	6	5	7	7
Sodium	ppm	2	2	1	4
Potassium	ppm	0	0	<1	<1



#### MÉTAUX D'USURE

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



#### ADDITIFS

Calcium	ppm	1056	1067	1110	899
Magnésium	ppm	982	996	986	1101
Zinc	ppm	1197	1222	1217	1232
Phosphore	ppm	994	1053	1090	1100
Baryum	ppm	<1	<1	0	0
Bore	ppm	1	2	5	31

#### Diagnostic

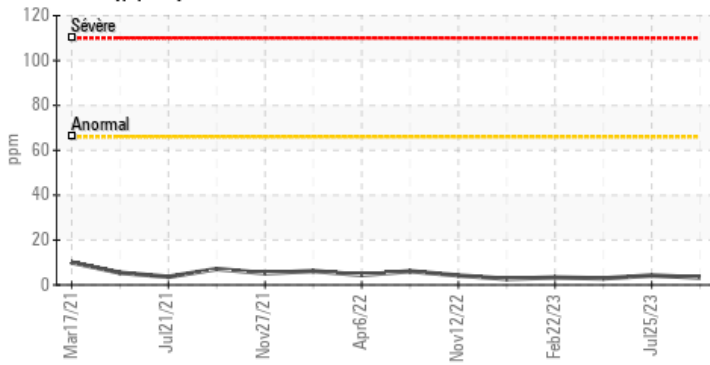
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: COMTOR  
Unique No: 5646891  
Signed: Wes Davis  
Report Date: 28 Sep 2023

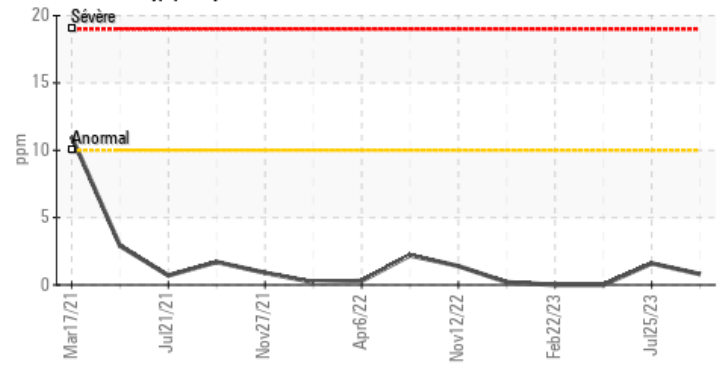


### GRAPHS

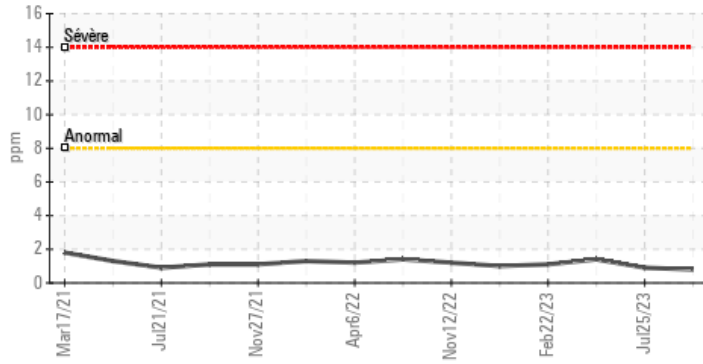
Fer (ppm)



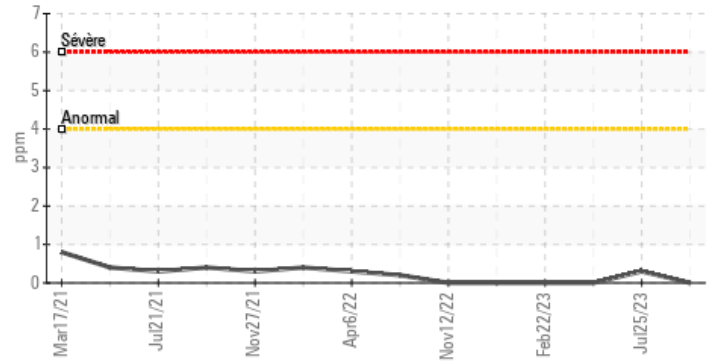
Plomb (ppm)



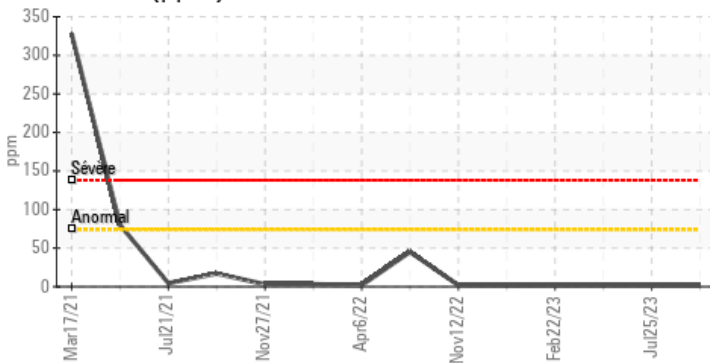
Aluminium (ppm)



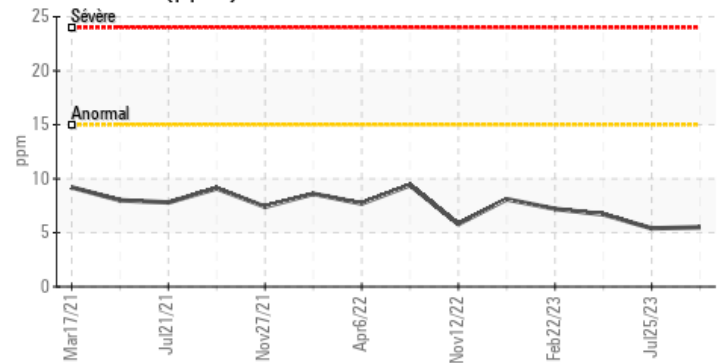
Chrome (ppm)



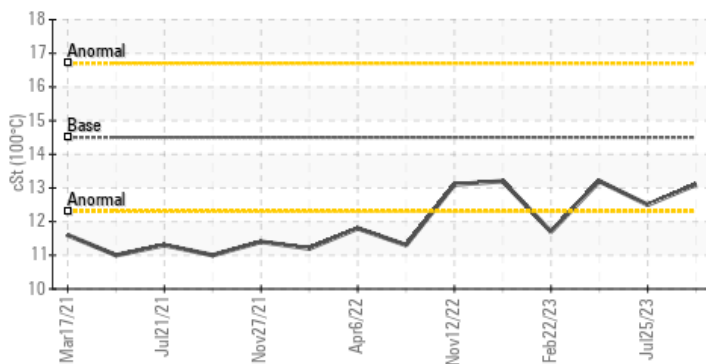
Cuivre (ppm)



Silicium (ppm)



Viscosité 100°C



% de suie

