

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112545-1253 - Diesel Engine

Sample No: LH0270116

Oil Type: DIESEL ENGINE OIL SAE 30



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0270116	LH0261585	LH0251782	LH0247428
Date d'échant.	27 Sep 2023	08 May 2023	10 Mar 2023	13 Dec 2022
Heures de la Machine	1297	11758	11210	10473
Heures de l'huile	0	0	0	0
Huile changée	N/A	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

#### GREEN METALS CANADA

224 BEARDS LANE  
WOODSTOCK, ON  
CA N4S 7W3

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#### ÉTAT D'HUILE

Visc 100°C	cSt	12.4	12.4	12.0	11.8
Oxydation (PA)	%	71	67	74	87



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	75	72	77	83
Sulfatation (PA)	%	55	53	61	63
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	7	6	6	6
Sodium	ppm	2	1	2	2
Potassium	ppm	0	0	0	<1



#### MÉTAUX D'USURE

Fer	ppm	3	2	3	4
Cuivre	ppm	1	1	3	3
Plomb	ppm	2	<1	2	3
Étain	ppm	0	<1	<1	<1
Aluminium	ppm	<1	1	1	2
Chrome	ppm	0	0	0	0
Molybdène	ppm	61	60	61	59
Nickel	ppm	<1	0	<1	<1
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	1085	1138	1175	1129
Magnésium	ppm	1009	968	973	999
Zinc	ppm	1233	1208	1223	1226
Phosphore	ppm	1027	1073	1116	1096
Baryum	ppm	<1	0	0	0
Bore	ppm	3	3	6	3

#### 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: GRE224WOO

Unique No: 5646892

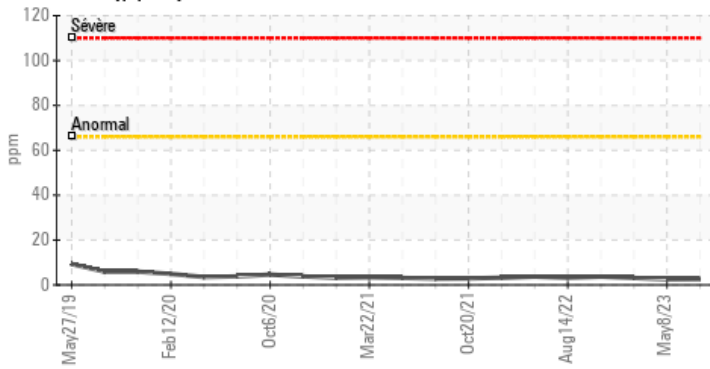
Signed: Wes Davis

Report Date: 28 Sep 2023

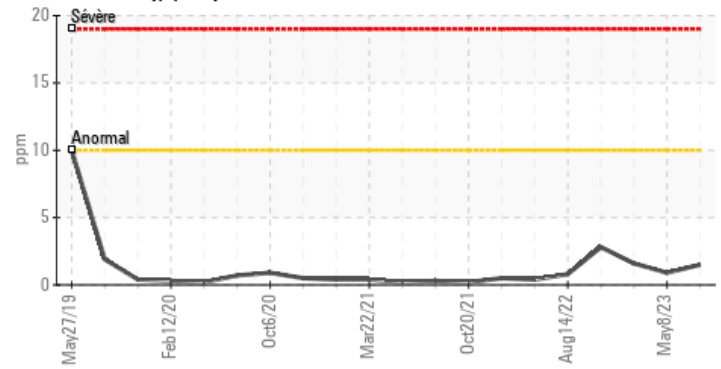


### GRAPHS

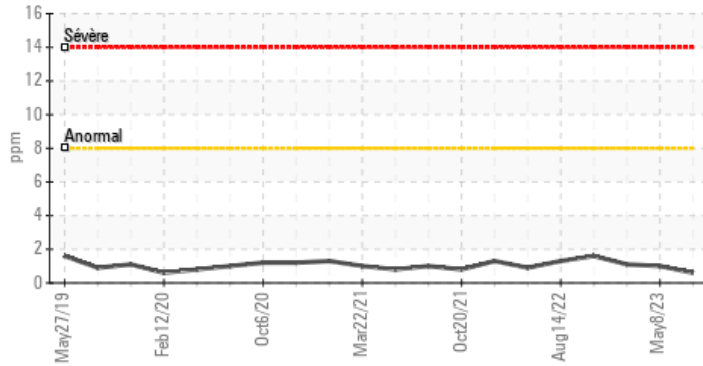
Fer (ppm)



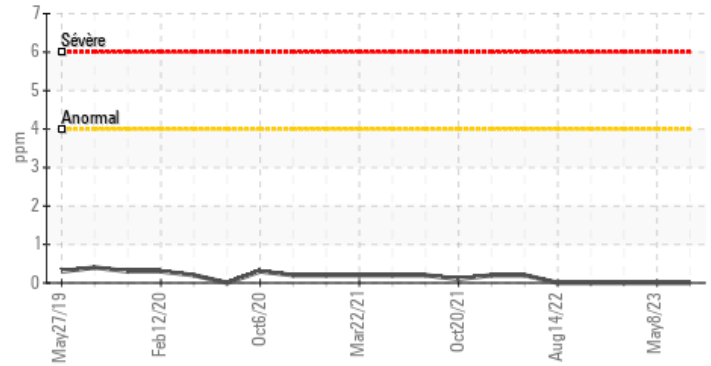
Plomb (ppm)



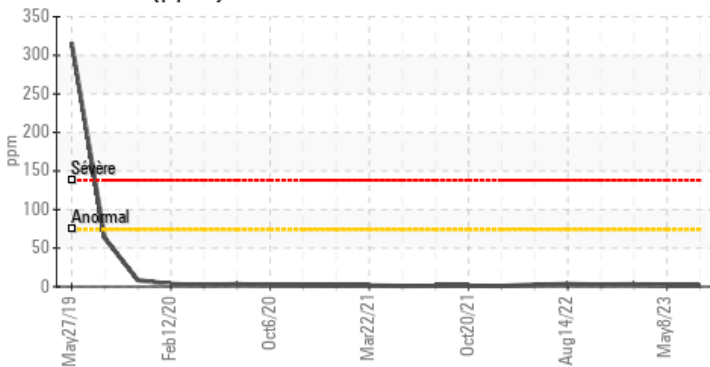
Aluminium (ppm)



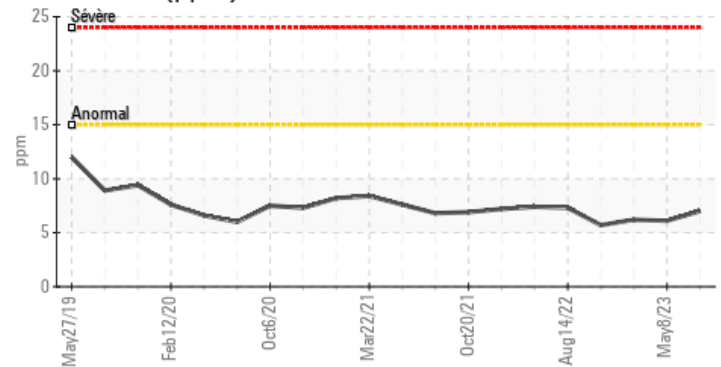
Chrome (ppm)



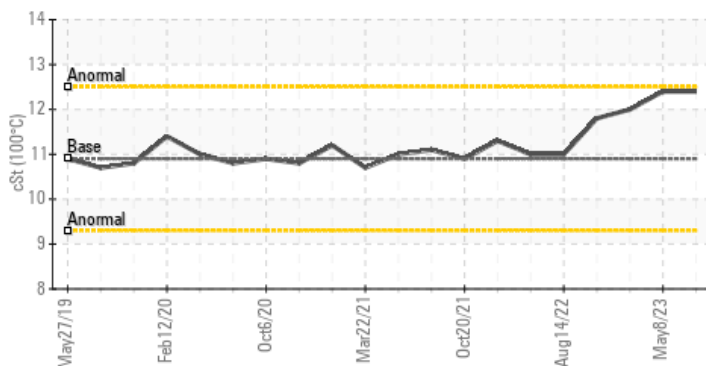
Cuivre (ppm)



Silicium (ppm)



Viscosité 100°C



% de suie

