

LIEBHERR

CONSTRUCTION EQUIPMENT



[(341435)] LIEBHERR LH50M 128733-1216 - Diesel Engine

Sample No: LH0286551

Oil Type: SAE 5W30



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0286551	LH0278632	LH0277782	LH0274634
Date d'échant.	19 Mar 2024	17 Jan 2024	20 Nov 2023	16 Aug 2023
Heures de la Machine	9241	8647	8180	7532
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

COMBINED METAL INDUSTRIES
454 DOBBIE DRIVE
CAMBRIDGE, ON
CA N1T 1S7
Contact: Service Manager



ÉTAT D'HUILE

Visc 100°C	cSt	11.3	13.0	12.3	12.9
Oxydation (PA)	%	90	66	76	69

T:
F:



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	84	68	77	74
Sulfatation (PA)	%	60	53	58	56
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	6	5	7	6
Sodium	ppm	4	1	2	2
Potassium	ppm	<1	2	0	<1

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	5	3	5	5
Cuivre	ppm	2	1	2	3
Plomb	ppm	0	<1	<1	<1
Étain	ppm	0	0	<1	<1
Aluminium	ppm	<1	2	2	1
Chrome	ppm	<1	<1	<1	<1
Molybdène	ppm	62	56	61	59
Nickel	ppm	0	<1	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	0	<1	<1
Manganèse	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

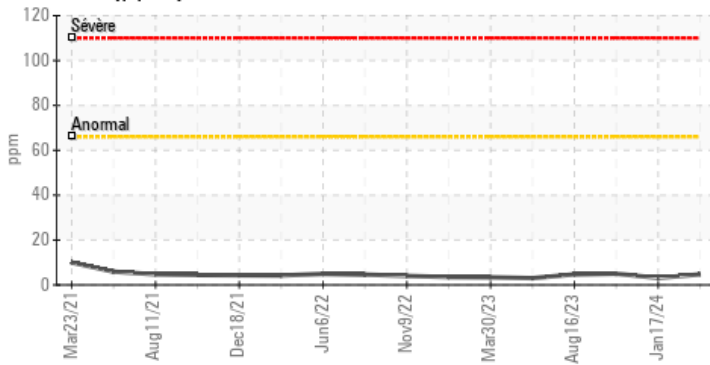
Calcium	ppm	869	1088	1078	1055
Magnésium	ppm	1141	940	988	1001
Zinc	ppm	1213	1161	1216	1207
Phosphore	ppm	1001	998	1002	1066
Baryum	ppm	0	0	<1	0
Bore	ppm	27	4	3	2

Depot: COM454CAM
Unique No: 5748413
Signed: Kevin Marson
Report Date: 20 Mar 2024

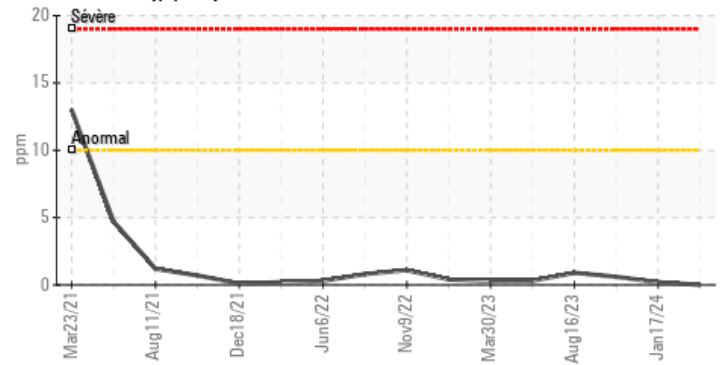


GRAPHS

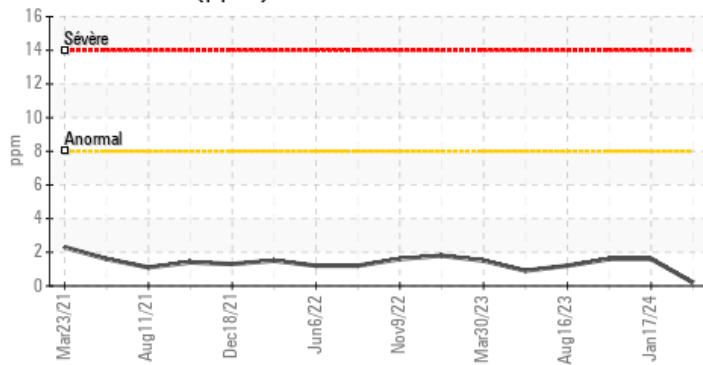
Fer (ppm)



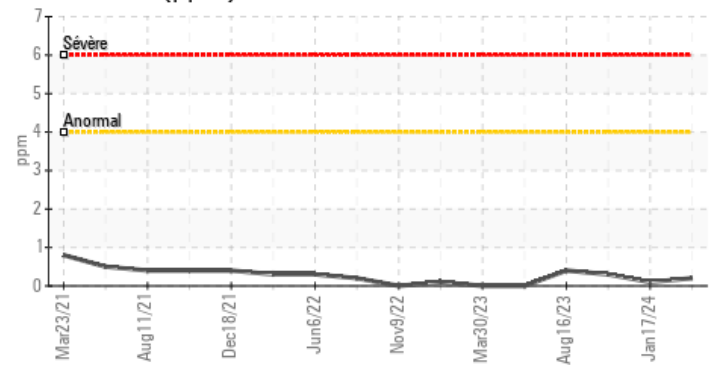
Plomb (ppm)



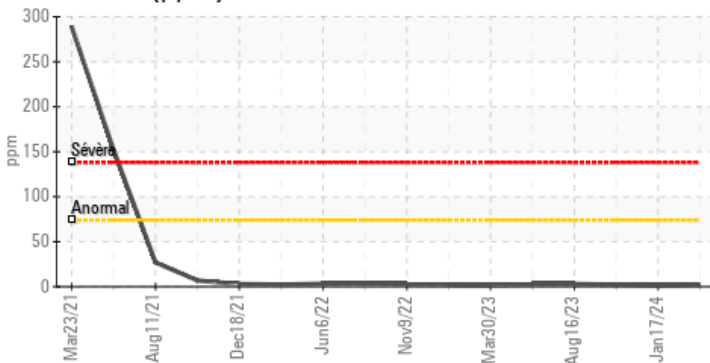
Aluminium (ppm)



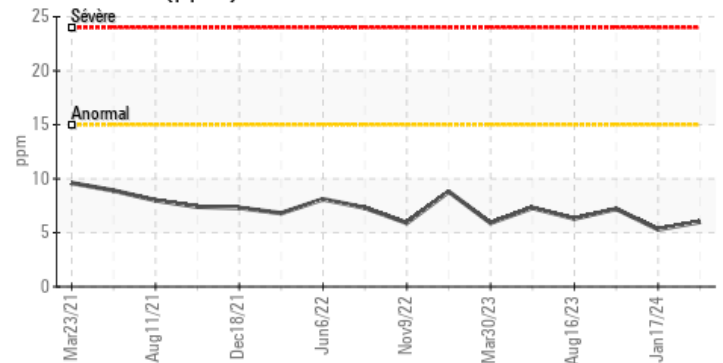
Chrome (ppm)



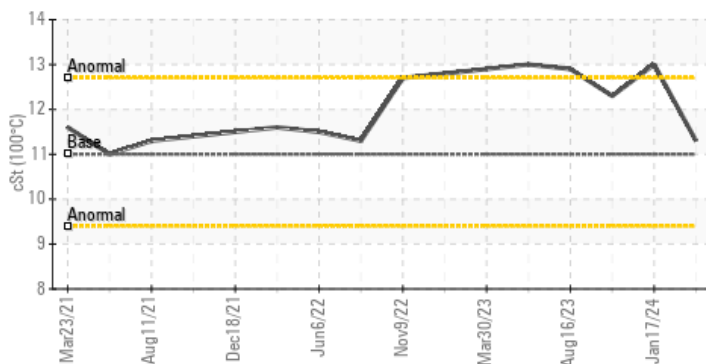
Cuivre (ppm)



Silicium (ppm)



Viscosité 100°C



% de suie

