

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 145181-1216 - Diesel Engine

Sample No: LH0286809

Oil Type: SAE 5W30



#### INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0286809	LH0277541	LH0274807	LH0261389
Date d'échant.	01 Apr 2024	04 Jan 2024	29 Aug 2023	28 Apr 2023
Heures de la Machine	2082	1614	1043	497
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL

**METALOGICS INC**  
70 NORTH QUEEN ST.  
ETOBICOKE, ON  
CA M8Z 2C7  
Contact: Service Manager



#### ÉTAT D'HUILE

Visc 100°C	cSt	11.4	12.8	12.7	11.7
Oxydation (PA)	%	81	72	78	210

T:  
F:



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	83	70	71	101
Sulfatation (PA)	%	57	56	61	112
Glycol	%	NEG	NEG	0.0	NEG
Essence	%	<1.0	<1.0	<1.0	1.7
Silicium	ppm	6	6	6	8
Sodium	ppm	3	1	2	2
Potassium	ppm	0	0	<1	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.



#### MÉTAUX D'USURE

Fer	ppm	4	4	5	10
Cuivre	ppm	6	45	169	110
Plomb	ppm	0	2	5	6
Étain	ppm	0	<1	<1	1
Aluminium	ppm	1	1	1	3
Chrome	ppm	0	<1	<1	<1
Molybdène	ppm	57	58	57	45
Nickel	ppm	0	<1	0	0
Titane	ppm	0	0	0	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	839	1067	1084	1421
Magnésium	ppm	1094	970	983	922
Zinc	ppm	1191	1153	1181	840
Phosphore	ppm	971	962	1014	750
Baryum	ppm	<1	<1	3	28
Bore	ppm	29	2	7	103

Depot: MET70ETO  
Unique No: 5759167  
Signed: Kevin Marson  
Report Date: 03 Apr 2024



### GRAPHS

