

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(343446)] LIEBHERR LH60M 124381-1217 - Diesel Engine

Sample No: LH0265839

Oil Type: SAE 5W30



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0265839	LH0261593	LH0256687	LH0251487
Date d'échant.	26 Jun 2023	03 May 2023	02 Apr 2023	06 Feb 2023
Heures de la Machine	10141	9520	9107	8526
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	13.2	13.7	13.3	11.7
Oxydation (PA)	%	80	68	76	92



#### CONTAMINATION

% de suie	%	0	0	0	0
Nitration (PA)	%	78	68	82	88
Sulfatation (PA)	%	57	52	61	63
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	7	7	6	10
Sodium	ppm	2	1	2	4
Potassium	ppm	<1	0	<1	0



#### MÉTAUX D'USURE

Fer	ppm	3	2	3	5
Cuivre	ppm	1	1	<1	4
Plomb	ppm	<1	<1	<1	<1
Étain	ppm	0	<1	<1	0
Aluminium	ppm	1	1	1	1
Chrome	ppm	<1	0	0	<1
Molybdène	ppm	58	58	59	59
Nickel	ppm	0	0	0	0
Titane	ppm	0	<1	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	1043	1040	1102	898
Magnésium	ppm	978	955	972	1099
Zinc	ppm	1194	1155	1196	1239
Phosphore	ppm	1051	1079	1064	1119
Baryum	ppm	0	0	0	0
Bore	ppm	2	<1	4	26

#### RAM IRON AND METAL

60 Ashwarren Road  
TORONTO, ON  
CA M3J 1Z5  
Contact: PETER RACCO  
PETER@RAMIRON.COM  
T: (416)630-4545  
F: (416)630-5258

#### 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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: RAMTOR  
Unique No: 5604299  
Signed: Kevin Marson  
Report Date: 29 Jun 2023



### GRAPHS

