

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0296541

Oil Type: SAE 5W30



#### Information sur l'échantillon

Numéro d'échant.		LH0296541	LH0289735	LH0289702	LH0285014
Date d'échant.		07 Jul 2024	27 May 2024	16 Apr 2024	12 Feb 2024
Heures de la Machine		14056	13670	13245	12500
Heures de l'huile		0	0	0	0
Huile changée		Changed	Changed	Changed	Changed
Statut de l'échant.		NORMAL	NORMAL	NORMAL	NORMAL

#### RAM IRON AND METAL

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#### État d'huile

Visc 100°C	cSt	13.5	12.0	13.1	13.6
Oxydation (PA)	%	75	85	89	76



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	75	88	87	80
Sulfatation (PA)	%	53	59	59	55
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	6	6	6	8
Sodium	ppm	2	4	2	1
Potassium	ppm	<1	<1	<1	2

#### 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.



#### Métaux d'usure

Fer	ppm	3	4	5	4
Cuivre	ppm	<1	<1	1	<1
Plomb	ppm	0	0	0	0
Étain	ppm	0	0	0	0
Aluminium	ppm	1	1	2	2
Chrome	ppm	<1	0	<1	<1
Molybdène	ppm	56	59	60	57
Nickel	ppm	0	0	0	<1
Titane	ppm	0	0	0	0
Argent	ppm	0	0	0	0
Manganèse	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### Additifs

Calcium	ppm	962	861	1088	1109
Magnésium	ppm	949	1122	982	941
Zinc	ppm	1179	1219	1204	1176
Phosphore	ppm	977	1033	989	993
Baryum	ppm	0	0	0	0
Bore	ppm	4	23	4	2

Depot: RAMTOR  
Unique No: 5811658  
Signed: Kevin Marson  
Report Date: 08 Jul 2024



### Graphs

