

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 141098-1217 - Diesel Engine

Sample No: LH0291153

Oil Type: DIESEL ENGINE OIL SAE 40



JOHN ZUBICK LTD.
105 CLARKE ROAD
LONDON, ON
CA N5W 5C9
Contact: John French
honeil@zubicks.com
T: (519)451-5470
F: (519)451-4245



Information sur l'échantillon

Numéro d'échant.	LH0291153	LH0277797	LH0261815	LH0234956
Date d'échant.	13 May 2024	04 Dec 2023	26 May 2023	14 Nov 2022
Heures de la Machine	3286	0	1399	467
Heures de l'huile	0	0	0	0
Huile changée	Changed	N/A	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	NORMAL	NORMAL



État d'huile

Visc 100°C	cSt	13.1	11.7	13.2	11.8
Oxydation (PA)	%	66	84	67	201



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	72	86	71	100
Sulfatation (PA)	%	52	58	52	109
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	1.8	<1.0	1.5
Silicium	ppm	5	8	6	9
Sodium	ppm	1	4	2	3
Potassium	ppm	<1	1	<1	3



Métaux d'usure

Fer	ppm	4	5	4	11
Cuivre	ppm	2	3	10	243
Plomb	ppm	0	<1	<1	7
Étain	ppm	0	<1	<1	2
Aluminium	ppm	1	1	<1	3
Chrome	ppm	0	<1	0	<1
Molybdène	ppm	58	59	58	46
Nickel	ppm	0	<1	0	<1
Titane	ppm	0	0	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	1051	820	1095	1388
Magnésium	ppm	971	1037	956	924
Zinc	ppm	1184	1154	1172	861
Phosphore	ppm	997	950	1066	782
Baryum	ppm	<1	<1	<1	24
Bore	ppm	5	22	3	77

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: JOHLON
Unique No: 5776355
Signed: Wes Davis
Report Date: 14 May 2024



Graphs

