

LIEBHERR

CONSTRUCTION EQUIPMENT



[[587085]] LIEBHERR LH60M 141098-1217 - Diesel Engine

Sample No: LH0277797

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



ÉTAT D'HUILE

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



CONTAMINATION

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



MÉTAUX D'USURE

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



ADDITIFS

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

Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: JOHLON
Unique No: 5693943
Signed: Kevin Marson
Report Date: 06 Dec 2023



GRAPHS

