

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 117 616-1216 - Diesel Engine

Sample No: LH0278608

Oil Type: PETRO CANADA SUPREME 5W30



LIEBHERR CANADA LTD.
1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8
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INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0278608	LH0277471	LH0277427	LH0274534
Date d'échant.	08 Feb 2024	10 Nov 2023	05 Nov 2023	23 Aug 2023
Heures de la Machine	14242	14099	14022	13444
Heures de l'huile	0	0	0	0
Huile changée	Not Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	SEVERE	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 100°C	cSt	11.8	5.2	11.7	10.4
Oxydation (PA)	%	71	59	83	84



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	65	44	77	78
Sulfatation (PA)	%	54	52	59	62
Glycol	%	0.0	NEG	NEG	NEG
Essence	%	1.1	37	<1.0	<1.0
Silicium	ppm	10	6	5	7
Sodium	ppm	6	1	2	2
Potassium	ppm	11	1	2	<1



MÉTAUX D'USURE

Fer	ppm	9	10	4	4
Cuivre	ppm	13	<1	1	2
Plomb	ppm	3	<1	<1	2
Étain	ppm	<1	0	0	0
Aluminium	ppm	2	2	1	1
Chrome	ppm	<1	<1	0	0
Molybdène	ppm	44	34	57	53
Nickel	ppm	0	<1	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	<1	0
Manganèse	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	947	650	992	950
Magnésium	ppm	996	555	899	889
Zinc	ppm	1095	690	1119	1071
Phosphore	ppm	963	668	910	947
Baryum	ppm	23	<1	<1	0
Bore	ppm	76	18	3	1

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. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
Unique No: 5723700
Signed: Kevin Marson
Report Date: 13 Feb 2024



GRAPHS

