

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 118290-1216 - Diesel Engine

Sample No: LH0260115

Oil Type: DIESEL ENGINE OIL SAE 40



Weyerhaeuser
1000 Jones road
Kenora, ON
CA P9N 3X8
Contact: Rene Gagne
rene.gagne@weyerhaeuser.com
T: (807)548-7277
F: (807)548-7201



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0260115	LH0158796	LH0158908	LH0158904
Date d'échant.	11 Aug 2023	23 Oct 2021	09 Oct 2021	07 Sep 2021
Heures de la Machine	19366	1980	9990	9490
Heures de l'huile	0	0	0	0
Huile changée	Not Chngd	Changed	Changed	Changed
Statut de l'échant.	SEVERE	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 100°C	cSt	● 4.3	● 13.7	● 13.5	● 13.7
Oxydation (PA)	%	● 34	● 57	● 53	● 53



CONTAMINATION

% de suie	%	● 0	● 0	● 0	● 0
Nitration (PA)	%	● 51	● 75	● 63	● 62
Sulfatation (PA)	%	● 40	● 59	● 46	● 46
Glycol	%	● NEG	● NEG	● NEG	● NEG
Essence	%	● 49	● <1.0	● <1.0	● <1.0
Silicium	ppm	● 11	● 2	● 3	● 3
Sodium	ppm	● 2	● 1	● 4	● 2
Potassium	ppm	● <1	● <1	● 1	● <1



MÉTAUX D'USURE

Fer	ppm	● 23	● 2	● 2	● 2
Cuivre	ppm	● <1	● 111	● <1	● 1
Plomb	ppm	● <1	● 3	● 1	● <1
Étain	ppm	● 0	● 0	● <1	● <1
Aluminium	ppm	● 2	● 2	● 2	● 2
Chrome	ppm	● 4	● <1	● 0	● 0
Molybdène	ppm	● 2	● 0	● <1	● <1
Nickel	ppm	● <1	● 0	● <1	● <1
Titane	ppm	● 0	● <1	● 0	● 0
Argent	ppm	● <1	● <1	● <1	● <1
Manganèse	ppm	● <1	● <1	● 0	● 0
Vanadium	ppm	● <1	● 0	● 0	● 0



ADDITIFS

Calcium	ppm	● 1158	● 2214	● 2074	● 2300
Magnésium	ppm	● 20	● 8	● 13	● 11
Zinc	ppm	● 562	● 1113	● 1062	● 1186
Phosphore	ppm	● 522	● 976	● 928	● 1057
Baryum	ppm	● <1	● <1	● 0	● 0
Bore	ppm	● 2	● 1	● 1	● 3

Diagnostic

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: WEY100KEN
Unique No: 5629144
Signed: Kevin Marson
Report Date: 17 Aug 2023



GRAPHS

