

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 094197-1216 - Diesel Engine

Sample No: LH0279118

Oil Type: PETRO CANADA 10W40



#### INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0279118	LH0261135	LH0260825	LH0251211
Date d'échant.	05 Feb 2024	29 Dec 2023	31 May 2023	13 Mar 2023
Heures de la Machine	24766	24211	22824	22266
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL



#### ÉTAT D'HUILE

Visc 100°C	cSt	11.7	13.6	13.7	12.7
Oxydation (PA)	%	76	58	61	69



#### CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	77	53	66	85
Sulfatation (PA)	%	55	50	52	60
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	1.1	<1.0	<1.0	<1.0
Silicium	ppm	6	6	6	6
Sodium	ppm	5	2	<1	1
Potassium	ppm	2	2	<1	0



#### MÉTAUX D'USURE

Fer	ppm	5	5	2	3
Cuivre	ppm	82	4	<1	1
Plomb	ppm	2	<1	0	<1
Étain	ppm	0	0	0	<1
Aluminium	ppm	1	1	1	1
Chrome	ppm	0	0	0	0
Molybdène	ppm	58	55	59	59
Nickel	ppm	0	<1	0	0
Titane	ppm	0	0	0	<1
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIFS

Calcium	ppm	857	1050	1119	1130
Magnésium	ppm	1097	934	965	970
Zinc	ppm	1188	1163	1185	1199
Phosphore	ppm	1041	989	1064	1076
Baryum	ppm	<1	3	0	0
Bore	ppm	33	3	<1	<1

#### INDUSTRIES GDS INC.

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#### Diagnostic

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. 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: INDVIL  
Unique No: 5734493  
Signed: Kevin Marson  
Report Date: 23 Feb 2024



### GRAPHS

