

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 120428-1216 - Diesel Engine

Sample No: LH0285097

Oil Type: PETRO CANADA 10W40



BOIS MARSOUI GDS INC.
 2 RTE DE LA MINE CANDEGO
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SAMPLE INFORMATION

Sample Number	LH0285097	LH0243050	LH0215588	LH0177834
Sample Date	08 Feb 2024	02 Dec 2022	19 Aug 2022	26 May 2022
Machine Hours	10500	10810	10324	9778
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	13.0	13.4	13.3	13.3
Oxidation (PA)	%	62	63	61	65



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	65	63	68	71
Sulfation (PA)	%	52	55	52	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	5	7	6
Sodium	ppm	<1	1	2	2
Potassium	ppm	1	0	<1	<1



WEAR METALS

Iron	ppm	3	2	2	2
Copper	ppm	2	4	<1	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	1	1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	57	58	56	58
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1078	1154	1112	1085
Magnesium	ppm	930	961	951	1030
Zinc	ppm	1191	1210	1189	1255
Phosphorus	ppm	1024	1078	1069	1082
Barium	ppm	0	0	0	0
Boron	ppm	<1	1	1	3

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

Depot: BOILAV
 Unique No: 5723693
 Signed: Wes Davis
 Report Date: 09 Feb 2024



GRAPHS

