

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(370851)] LIEBHERR LH50M 136353-1216 - Diesel Engine

Sample No: LH0228152

Oil Type: PETRO CANADA DURON UHP 5W40



#### SAMPLE INFORMATION

Sample Number	LH0228152	LH0228167	LH0228128	LH0228140
Sample Date	17 Oct 2023	31 Jul 2023	18 May 2023	20 Nov 2022
Machine Hours	5927	10523	4491	2575
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**BeCar Inc.**  
 1053 boul Ducharme  
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 CA G9X 3C3  
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#### OIL CONDITION

Visc @ 100°C	cSt	13.1	13.5	12.9	13.1
Oxidation (PA)	%	89	93	93	90



#### CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	87	87	84	87
Sulfation (PA)	%	61	67	62	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	7	6	7
Sodium	ppm	4	4	5	5
Potassium	ppm	0	<1	2	0



#### WEAR METALS

Iron	ppm	4	4	5	4
Copper	ppm	3	2	4	5
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	1	2	1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	57	54	60	62
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	830	816	892	835
Magnesium	ppm	1120	1075	1112	1115
Zinc	ppm	1213	1149	1202	1145
Phosphorus	ppm	992	1009	1071	1032
Barium	ppm	<1	0	<1	0
Boron	ppm	21	19	27	21

#### 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:** BECLAT  
**Unique No:** 5658922  
**Signed:** Wes Davis  
**Report Date:** 18 Oct 2023



### GRAPHS

