

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0228167

Oil Type: PETRO CANADA DURON UHP 5W40



SAMPLE INFORMATION

Sample Number	LH0228167	LH0228128	LH0228140	LH0215258
Sample Date	31 Jul 2023	18 May 2023	20 Nov 2022	13 Sep 2022
Machine Hours	10523	4491	2575	1884
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BeCar Inc.

1053 boul Ducharme

La Tuque, QC

CA G9X 3C3

Contact: Shain Fillion

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OIL CONDITION

Visc @ 100°C	cSt	13.5	12.9	13.1	13.1
Oxidation (PA)	%	93	93	90	83



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	87	84	87	83
Sulfation (PA)	%	67	62	63	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	7	7
Sodium	ppm	4	5	5	4
Potassium	ppm	<1	2	0	0



WEAR METALS

Iron	ppm	4	5	4	4
Copper	ppm	2	4	5	14
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	2	1	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	54	60	62	55
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	816	892	835	860
Magnesium	ppm	1075	1112	1115	1077
Zinc	ppm	1149	1202	1145	1204
Phosphorus	ppm	1009	1071	1032	1046
Barium	ppm	0	<1	0	0
Boron	ppm	19	27	21	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: 5630392

Signed: Wes Davis

Report Date: 22 Aug 2023



GRAPHS

