

LIEBHERR

CONSTRUCTION EQUIPMENT



[(358629)] LIEBHERR LH50M 133653-1216 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH	LH0153031	LH0250024	LH0224132
Sample Date	29 Aug 2023	07 Jun 2023	26 Jan 2023	22 Dec 2022
Machine Hours	3000	1474	10000	9439
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

PF Resolu Canada Inc.
 5850 avenue des jardins
 La Dore, QC
 CA G8J 1B4
 Contact: Dominic Caron



OIL CONDITION

Visc @ 100°C	cSt	11.5	11.4	11.9	11.8
Oxidation (PA)	%	81	79	79	76

T:
F:



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	83	78	80	75
Sulfation (PA)	%	61	57	59	58
Glycol	%	NEG	0.0	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	8	6	7
Sodium	ppm	4	4	4	4
Potassium	ppm	<1	0	0	0

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.



WEAR METALS

Iron	ppm	4	4	3	2
Copper	ppm	3	165	<1	<1
Lead	ppm	<1	4	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	2	1
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	54	61	61	62
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	792	856	861	821
Magnesium	ppm	1092	1096	1144	1122
Zinc	ppm	1158	1181	1240	1178
Phosphorus	ppm	1026	1075	1103	1072
Barium	ppm	0	<1	0	0
Boron	ppm	22	29	42	44

Depot: ABILAD
 Unique No: 5633267
 Signed: Wes Davis
 Report Date: 05 Sep 2023



GRAPHS

