

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 145793-1216 - Diesel Engine

Sample No: LH

Oil Type: PETRO CANADA DURON UHP 5W30



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



SAMPLE INFORMATION

Sample Number	LH	LH	LH	WC
Sample Date	11 Oct 2023	21 Sep 2023	02 Aug 2023	04 Jul 2023
Machine Hours	4000	3500	2500	2000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE



OIL CONDITION

Visc @ 100°C	cSt	11.9	11.6	11.6	11.5
Oxidation (PA)	%	75	74	76	79



CONTAMINATION

Soot %	%	0	0.5	0	0
Nitration (PA)	%	73	75	78	79
Sulfation (PA)	%	56	52	57	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.7	<1.0	<1.0
Silicon	ppm	6	6	6	8
Sodium	ppm	4	4	5	4
Potassium	ppm	0	1	<1	<1



WEAR METALS

Iron	ppm	3	3	4	9
Copper	ppm	1	1	7	45
Lead	ppm	<1	<1	<1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	<1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	57	56	55	61
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	821	814	810	819
Magnesium	ppm	1111	1102	1081	1115
Zinc	ppm	1207	1187	1183	1179
Phosphorus	ppm	1020	993	1047	1043
Barium	ppm	2	0	0	<1
Boron	ppm	29	25	24	21

T:
F:

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: ABILAD
Unique No: 5658237
Signed: Wes Davis
Report Date: 16 Oct 2023



GRAPHS

