

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Diesel Engine

Sample No: LH0180230

Oil Type: PETRO CANADA DURON UHP 5W30



J.D. Irving
 Truro Sawmill, 529 Valley Dale Road
 Truro, NS
 CA B2N 5C5
 Contact: Sheldon Richardson
 richardson.sheldon@jdirving.com
 T: (902)890-9419
 F:



SAMPLE INFORMATION

Sample Number	LH0180230	LH0175315	LH	LH0170920
Sample Date	06 Oct 2020	20 Jul 2020	07 Jul 2020	12 May 2020
Machine Hours	0	5545	0	14649
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 100°C	cSt	11.4	11.1	11.2	11.3
Oxidation (PA)	%	88	81	80	69



CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	88	78	93	70
Sulfation (PA)	%	61	53	73	66
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	7
Sodium	ppm	4	<1	3	4
Potassium	ppm	<1	2	1	<1



WEAR METALS

Iron	ppm	5	3	4	2
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	<1	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	59	48	60	61
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	912	1229	839	843
Magnesium	ppm	1147	991	1168	1172
Zinc	ppm	1316	941	1280	1269
Phosphorus	ppm	1054	832	1067	1094
Barium	ppm	<1	0	0	<1
Boron	ppm	20	71	27	52

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: JDITRU
 Unique No: 5122324
 Signed: Wes Davis
 Report Date: 22 Oct 2020



GRAPHS

