

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Left Wheel Hub

Sample No: LH0183460

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0183460	LH0180237	LH	LH0139124
Sample Date	08 Feb 2021	06 Oct 2020	07 Jul 2020	01 Mar 2020
Machine Hours	0	0	0	13987
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	92.3	94.4	86.2	88.6
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CONTAMINATION

Silicon	ppm	3	3	2	3
Sodium	ppm	2	2	<1	<1
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	40	42	28	52
Copper	ppm	11	14	11	12
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	22	27	34	53
Magnesium	ppm	5	3	4	4
Zinc	ppm	21	21	26	36
Phosphorus	ppm	1229	1236	1246	1295
Barium	ppm	0	0	0	0
Boron	ppm	305	309	305	328

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: 5174442
 Signed: Wes Davis
 Report Date: 10 Feb 2021



GRAPHS

