

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Differential

Sample No: LH0183459

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0183459	LH0180238	LH	LH0139131
Sample Date	08 Feb 2021	06 Oct 2020	07 Jul 2020	01 Mar 2020
Machine Hours	8850	0	0	13987
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	102	100	94.2	101
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CONTAMINATION

Silicon	ppm	3	2	2	2
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	<1	0	1	<1



WEAR METALS

Iron	ppm	2	3	2	3
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	3	5	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	61	90	4	6
Magnesium	ppm	49	82	2	<1
Zinc	ppm	69	111	5	6
Phosphorus	ppm	1171	1191	1213	1264
Barium	ppm	0	0	0	0
Boron	ppm	287	287	301	332

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: 5174446
Signed: Wes Davis
Report Date: 10 Feb 2021



GRAPHS

