

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0180231

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0180231	LH	LH0139132	LH0136439
Sample Date	06 Oct 2020	07 Jul 2020	01 Mar 2020	08 Nov 2019
Machine Hours	0	0	13987	12984
Oil Hours	0	0	0	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	97.3	91.6	93.6	92.8
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CONTAMINATION

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



WEAR METALS

Iron	ppm	12	11	22	13
Copper	ppm	<1	<1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	4
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	5	7	8
Magnesium	ppm	2	1	1	1
Zinc	ppm	5	5	7	6
Phosphorus	ppm	1232	1234	1302	1276
Barium	ppm	0	0	0	0
Boron	ppm	321	304	340	336

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: 5122517
 Signed: Wes Davis
 Report Date: 22 Oct 2020



GRAPHS

