

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Rear Differential

Sample No: LH0183463

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving
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SAMPLE INFORMATION

Sample Number	LH0183463	LH0180231	LH	LH0139132
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	98.9	97.3	91.6	93.6
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CONTAMINATION

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



WEAR METALS

Iron	ppm	11	12	11	22
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	0	<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	6	6	5	7
Magnesium	ppm	2	2	1	1
Zinc	ppm	7	5	5	7
Phosphorus	ppm	1197	1232	1234	1302
Barium	ppm	0	0	0	0
Boron	ppm	308	321	304	340

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: 5174441
Signed: Wes Davis
Report Date: 10 Feb 2021



GRAPHS

