

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Splitter Box

Sample No: LH0194634

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0194634	LH0180427	LH0183458	LH0180450
Sample Date	25 Jul 2021	17 Mar 2021	08 Feb 2021	08 Dec 2020
Machine Hours	18995	0	8850	16540
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

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F:



OIL CONDITION

Visc @ 40°C	cSt	94.5	104	87.6	85.4
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CONTAMINATION

Element	Unit	7	2	2	3
Silicon	ppm	7	2	2	3
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Element	Unit	11	<1	7	10
Iron	ppm	11	<1	7	10
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	7	0	3	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	Unit	118	12	50	46
Calcium	ppm	118	12	50	46
Magnesium	ppm	127	1	51	40
Zinc	ppm	176	5	102	102
Phosphorus	ppm	1240	1177	1205	1145
Barium	ppm	<1	0	0	0
Boron	ppm	220	296	293	282

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: JDITRU
Unique No: 5254897
Signed: Wes Davis
Report Date: 26 Jul 2021



GRAPHS

