

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 110456-1216 - Splitter Box

Sample No: LH0278429

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278429	LH0277116	LH0234602	LH0250240
Sample Date	29 Jan 2024	13 Oct 2023	01 Apr 2023	12 Jan 2023
Machine Hours	18585	17581	16012	15658
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

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F:



OIL CONDITION

Visc @ 40°C	cSt	77.7	81.7	84.9	82.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	2	3
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	1	0	<1	<1



WEAR METALS

Iron	ppm	8	11	13	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	34	38	30	29
Magnesium	ppm	12	12	12	4
Zinc	ppm	158	184	127	134
Phosphorus	ppm	836	1108	1227	1271
Barium	ppm	0	<1	0	0
Boron	ppm	177	247	277	278

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: 5723863
Signed: Wes Davis
Report Date: 12 Feb 2024

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GRAPHS

