

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Differential

Sample No: LH0238565

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0238565	LH0230415	LH0194736	LH0194638
Sample Date	24 Oct 2022	05 May 2022	29 Oct 2021	25 Jul 2021
Machine Hours	1000	22099	20093	18995
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

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OIL CONDITION

Visc @ 40°C	cSt	101	98.8	104	99.8
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CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	3	5	4	4
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	3
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	50	8	57
Magnesium	ppm	2	2	2	52
Zinc	ppm	12	33	7	66
Phosphorus	ppm	1357	1280	1403	1262
Barium	ppm	0	0	0	0
Boron	ppm	322	302	351	292

Depot: JDITRU
Unique No: 5475437
Signed: Wes Davis
Report Date: 25 Oct 2022



GRAPHS

