

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Right Wheel Hub

Sample No: LH0277102

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0277102	LH0250290	LH0238569	LH0230416
Sample Date	13 Oct 2023	31 May 2023	24 Oct 2022	05 May 2022
Machine Hours	28718	26834	1000	22049
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

Truro Sawmill, 529 Valley Dale Road
Truro, NS
CA B2N 5C5
Contact: Sheldon Richardson
richardson.sheldon@jdirving.com
T: (902)890-9419
F:



OIL CONDITION

Visc @ 40°C	cSt	94.5	88.1	90.8	97.9
-------------	-----	------	------	------	------



CONTAMINATION

Silicon	ppm	2	3	2	2
Sodium	ppm	2	2	3	0
Potassium	ppm	0	2	2	<1



WEAR METALS

Iron	ppm	31	36	49	25
Copper	ppm	9	7	8	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	8	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	56	156	23	7
Magnesium	ppm	47	122	2	2
Zinc	ppm	72	175	19	7
Phosphorus	ppm	1274	1300	1309	1316
Barium	ppm	<1	0	0	0
Boron	ppm	311	262	302	320

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: 5668211
Signed: Wes Davis
Report Date: 23 Oct 2023



GRAPHS

