

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Differential

Sample No: LH0277107

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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:



SAMPLE INFORMATION

Sample Number	LH0277107	LH0250294	LH0238565	LH0230415
Sample Date	13 Oct 2023	31 May 2023	24 Oct 2022	05 May 2022
Machine Hours	28718	26834	1000	22099
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	106	101	101	98.8
-------------	-----	-----	-----	-----	------



CONTAMINATION

Element	Unit	4	2	2	1
Silicon	ppm	4	2	2	1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	<1	0	<1



WEAR METALS

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



ADDITIVES

Element	Unit	8	9	23	50
Calcium	ppm	8	9	23	50
Magnesium	ppm	1	1	2	2
Zinc	ppm	8	9	12	33
Phosphorus	ppm	1273	1353	1357	1280
Barium	ppm	<1	0	0	0
Boron	ppm	322	316	322	302

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: 5668217
Signed: Wes Davis
Report Date: 23 Oct 2023



GRAPHS

