

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Left Wheel Hub

Sample No: LH0277105

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	LH0277105	LH0250291	LH0238568	LH0230417
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	95.3	91.3	91.7	87.7
-------------	-----	------	------	------	------



CONTAMINATION

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



WEAR METALS

Element	ppm	37	27	47	44
Iron	ppm	37	27	47	44
Copper	ppm	13	11	16	15
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	15	19	23	13
Calcium	ppm	15	19	23	13
Magnesium	ppm	2	4	2	3
Zinc	ppm	21	22	23	21
Phosphorus	ppm	1278	1319	1330	1321
Barium	ppm	<1	0	0	0
Boron	ppm	319	304	310	315

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: 5668215
 Signed: Wes Davis
 Report Date: 23 Oct 2023



GRAPHS

