

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Rear Differential

Sample No: LH0274327

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274327	LH0202950	LH0222346	LH0215983
Sample Date	26 Oct 2023	22 Jun 2023	10 May 2022	11 Nov 2021
Machine Hours	12421	12090	11897	11462
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

2555 Sheffield Road
Ottawa, ON
CA K1B 3V6
Contact: Dan Dupelle
ddupelle@aim-rg.com
T: (613)228-9380
F: (613)745-0692



OIL CONDITION

Visc @ 40°C	cSt	99.2	96.4	98.3	98.1
-------------	-----	------	------	------	------



CONTAMINATION

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



WEAR METALS

Iron	ppm	9	8	13	13
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	31	29	41
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	9	7	7	5
Phosphorus	ppm	1295	1340	1404	1417
Barium	ppm	<1	0	0	0
Boron	ppm	297	301	312	284

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: BAKOTT
Unique No: 5670423
Signed: Wes Davis
Report Date: 01 Nov 2023



GRAPHS

