

LIEBHERR

CONSTRUCTION EQUIPMENT



059596-194 - Rear Differential

Sample No: LH0274775

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274775	LH0202809	LH0213825	LH0106352
Sample Date	23 Nov 2023	15 Nov 2022	04 Nov 2021	20 Sep 2016
Machine Hours	19244	17530	16550	8181
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

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Ottawa, ON
CA K1B 3V6
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OIL CONDITION

Visc @ 40°C	cSt	104	101	101	95.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	2
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	0	0	<1	0

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	1	4	3	3
Copper	ppm	15	37	27	29
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	11	10	5
Magnesium	ppm	<1	<1	1	0
Zinc	ppm	16	23	17	16
Phosphorus	ppm	1212	1310	1383	1235
Barium	ppm	<1	0	0	<1
Boron	ppm	294	315	338	321

Depot: BAKOTT
Unique No: 5684831
Signed: Wes Davis
Report Date: 30 Nov 2023



GRAPHS

