

LIEBHERR

CONSTRUCTION EQUIPMENT



092696 - Rear Differential

Sample No: LH0274557

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274557	LH0247222	LH0239177	LH
Sample Date	05 Sep 2023	06 Apr 2023	08 Sep 2022	27 Jul 2021
Machine Hours	13109	12387	11186	8788
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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Hamilton, ON
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Contact: Heavy Equipment
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OIL CONDITION

Visc @ 40°C	cSt	99.3	96.7	118	103



CONTAMINATION

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



WEAR METALS

Element	ppm	3	3	8	3
Iron	ppm	3	3	8	3
Copper	ppm	5	5	<1	5
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	8	10	4	9
Calcium	ppm	8	10	4	9
Magnesium	ppm	2	3	<1	1
Zinc	ppm	13	13	6	7
Phosphorus	ppm	1286	1350	850	1302
Barium	ppm	0	0	0	0
Boron	ppm	295	301	21	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: AMEHAM
Unique No: 5633850
Signed: Wes Davis
Report Date: 06 Sep 2023



GRAPHS

