

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Rear Right Wheel Hub

Sample No: LH0274323

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274323	LH0203039	LH0222342	LH0215979
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
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OIL CONDITION

Visc @ 40°C	cSt	99.2	99.3	100	96.0



CONTAMINATION

Element	Unit	99.2	99.3	100	96.0
Silicon	ppm	2	2	3	4
Sodium	ppm	1	2	1	9
Potassium	ppm	0	<1	<1	1



WEAR METALS

Element	Unit	99.2	99.3	100	96.0
Iron	ppm	9	9	14	178
Copper	ppm	<1	<1	<1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	0	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	Unit	99.2	99.3	100	96.0
Calcium	ppm	39	34	29	61
Magnesium	ppm	<1	<1	<1	3
Zinc	ppm	6	8	7	29
Phosphorus	ppm	1312	1338	1396	1415
Barium	ppm	<1	0	0	<1
Boron	ppm	300	306	311	167

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: 5670461
Signed: Wes Davis
Report Date: 01 Nov 2023



GRAPHS

