

LIEBHERR

CONSTRUCTION EQUIPMENT



059596-194 - Front Right Wheel Hub

Sample No: LH0274778

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274778	LH0256516	LH0203092	LH0202914
Sample Date	23 Nov 2023	21 Mar 2023	15 Nov 2022	04 Nov 2021
Machine Hours	19244	18037	17530	16550
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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OIL CONDITION

Visc @ 40°C	cSt	104	98.5	98.5	98.6



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	<1

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	9	19	16	13
Copper	ppm	1	1	1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	6	5	4
Magnesium	ppm	1	1	1	1
Zinc	ppm	9	8	8	6
Phosphorus	ppm	1290	1346	1307	1366
Barium	ppm	<1	<1	<1	<1
Boron	ppm	283	315	313	332

Depot: BAKOTT
Unique No: 5684833
Signed: Wes Davis
Report Date: 30 Nov 2023



GRAPHS

