

LIEBHERR

CONSTRUCTION EQUIPMENT



059596-194 - Rear Right Wheel Hub

Sample No: LH0274780

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274780	LH0256515	LH0202808	LH0202913
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	106	101	102	102



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	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	2	5	4	3
Copper	ppm	14	39	36	26
Lead	ppm	<1	1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<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	6	9	9	10
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	15	23	22	16
Phosphorus	ppm	1243	1349	1315	1383
Barium	ppm	<1	0	0	0
Boron	ppm	297	314	317	337

Depot: BAKOTT
Unique No: 5684834
Signed: Wes Davis
Report Date: 30 Nov 2023



GRAPHS

