

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 059596-194 - Front Right Wheel Hub

Sample No: LH0285118

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### American Iron and Metal

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Ottawa, ON  
CA K1B 3V6  
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### SAMPLE INFORMATION

Sample Number	LH0285118	LH0274778	LH0256516	LH0203092
Sample Date	07 Feb 2024	23 Nov 2023	21 Mar 2023	15 Nov 2022
Machine Hours	19498	19244	18037	17530
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	104	104	98.5	98.5



### CONTAMINATION

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



### WEAR METALS

Iron	ppm	5	9	19	16
Copper	ppm	<1	1	1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	13	7	6	5
Magnesium	ppm	2	1	1	1
Zinc	ppm	9	9	8	8
Phosphorus	ppm	1261	1290	1346	1307
Barium	ppm	0	<1	<1	<1
Boron	ppm	299	283	315	313

### 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: 5734827  
Signed: Wes Davis  
Report Date: 23 Feb 2024



### GRAPHS

