

LIEBHERR

CONSTRUCTION EQUIPMENT



059596-194 - Front Left Wheel Hub

Sample No: LH0285119

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0285119	LH0274779	LH0256517	LH0203093
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

American Iron and Metal

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OIL CONDITION

Visc @ 40°C	cSt	105	98.8	97.3	98.0



CONTAMINATION

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

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	<1	13	18	13
Copper	ppm	3	2	3	3
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	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	15	6	4	5
Magnesium	ppm	2	<1	1	<1
Zinc	ppm	10	12	10	9
Phosphorus	ppm	1226	1254	1344	1289
Barium	ppm	0	<1	0	0
Boron	ppm	298	304	317	314

Depot: BAKOTT
Unique No: 5734828
Signed: Wes Davis
Report Date: 23 Feb 2024



GRAPHS

