

LIEBHERR

CONSTRUCTION EQUIPMENT



24016 - Rear Right Wheel Hub

Sample No: LH0286829

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0286829	LH0104264	LH0216218	LH0234751
Sample Date	08 Apr 2024	10 Oct 2023	21 Apr 2023	27 Jul 2022
Machine Hours	21501	20995	20510	19901
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

75 Steel City Court
Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
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Oil Condition

Visc @ 40°C	cSt	98.5	98.8	97.6	97.7
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	0	<1	1	1
Sodium	ppm	<1	1	<1	4
Potassium	ppm	<1	<1	<1	<1



Wear Metals

Iron	ppm	16	14	14	17
Copper	ppm	9	9	8	9
Lead	ppm	0	<1	3	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	6	7	6	7
Magnesium	ppm	2	1	2	2
Zinc	ppm	13	13	12	13
Phosphorus	ppm	1219	1244	1327	1203
Barium	ppm	0	<1	0	0
Boron	ppm	290	303	318	309

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: AMEHAM
Unique No: 5761070
Signed: Wes Davis
Report Date: 10 Apr 2024



Graphs

