

LIEBHERR

CONSTRUCTION EQUIPMENT



24016 - Front Left Wheel Hub

Sample No: LH0286827

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0286827	LH0104289	LH0216221	LH0234749
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

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Hamilton, ON
CA L8H 3Y2
Contact: Heavy Equipment
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Oil Condition

Visc @ 40°C	cSt	94.7	95.4	95.5	94.5
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Contamination

Water	%	NEG	0.069	NEG	NEG
Silicon	ppm	0	<1	1	1
Sodium	ppm	1	2	1	2
Potassium	ppm	<1	<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	28	28	29	32
Copper	ppm	2	3	3	3
Lead	ppm	0	<1	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	11	12	10	14
Magnesium	ppm	4	2	3	4
Zinc	ppm	18	18	18	19
Phosphorus	ppm	1113	1192	1298	1188
Barium	ppm	0	<1	0	0
Boron	ppm	248	300	308	300

Depot: AMEHAM
Unique No: 5761067
Signed: Wes Davis
Report Date: 10 Apr 2024



Graphs

