

LIEBHERR

CONSTRUCTION EQUIPMENT



120280-1216 - Front Left Wheel Hub

Sample No: LH0276857

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0276857	LH0186033	LH0186290	LH0186199
Sample Date	03 Nov 2023	05 May 2022	07 Jun 2021	25 Jan 2021
Machine Hours	8000	5066	3041	2163
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

American Iron and Metal
1273 Kelly Lake Rd.
Sudbury, ON
CA P3E 5P5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	87.9	92.1	114	171
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	45	10	74	130
Sodium	ppm	2	<1	7	13
Potassium	ppm	1	<1	2	3

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	39	10	228	342
Copper	ppm	9	6	7	6
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	<1	5	8
Chromium	ppm	0	0	<1	2
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	2	4
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	53	13	45	77
Magnesium	ppm	2	<1	3	3
Zinc	ppm	134	28	64	89
Phosphorus	ppm	1171	1490	1524	2123
Barium	ppm	0	0	0	0
Boron	ppm	236	219	56	8

Depot: AIMSUD
Unique No: 5698189
Signed: Wes Davis
Report Date: 22 Dec 2023



GRAPHS

