

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 120280-1216 - Front Right Wheel Hub

Sample No: LH0276854

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0276854	LH0186035	LH0186287	LH0186205
Sample Date	03 Nov 2023	05 May 2022	07 Jun 2021	25 Jan 2021
Machine Hours	8000	5066	3041	2167
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE

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



#### OIL CONDITION

Visc @ 40°C	cSt	86.5	83.8	117	174
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	32	41	88	261
Sodium	ppm	2	3	8	15
Potassium	ppm	1	<1	3	4

#### 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

PQ		---	---	---	68
Iron	ppm	54	121	460	582
Copper	ppm	12	6	9	12
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	6	16
Chromium	ppm	<1	<1	2	3
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	1	4	5
Vanadium	ppm	0	0	<1	<1



#### ADDITIVES

Calcium	ppm	56	50	66	71
Magnesium	ppm	2	1	3	4
Zinc	ppm	152	117	107	84
Phosphorus	ppm	1154	1332	1620	2173
Barium	ppm	0	0	0	0
Boron	ppm	220	141	61	9

Depot: AIMSUD  
Unique No: 5698188  
Signed: Wes Davis  
Report Date: 22 Dec 2023



### GRAPHS

