

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 24016 - Front Right Wheel Hub

Sample No: LH0286828

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	<b>LH0286828</b>	LH0123060	LH0216220	LH0234748
Sample Date	<b>08 Apr 2024</b>	10 Oct 2023	21 Apr 2023	27 Jul 2022
Machine Hours	<b>21501</b>	20995	20510	19901
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**American Iron and Metal**

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Contact: Heavy Equipment

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#### Oil Condition

Visc @ 40°C	cSt	<b>95.4</b>	96.1	89.8	87.4
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>0</b>	<1	<1	1
Sodium	ppm	<b>3</b>	2	1	3
Potassium	ppm	<b>4</b>	<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	<b>42</b>	40	38	43
Copper	ppm	<b>2</b>	3	3	4
Lead	ppm	<b>0</b>	<1	2	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	1
Vanadium	ppm	<b>0</b>	0	0	0



#### Additives

Calcium	ppm	<b>17</b>	19	19	27
Magnesium	ppm	<b>4</b>	2	3	3
Zinc	ppm	<b>39</b>	41	42	51
Phosphorus	ppm	<b>1223</b>	1293	1257	1131
Barium	ppm	<b>&lt;1</b>	<1	0	0
Boron	ppm	<b>219</b>	249	283	264

Depot: AMEHAM

Unique No: 5761069

Signed: Wes Davis

Report Date: 10 Apr 2024



### Graphs

