

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 24016 - Swing Drive

Sample No: LH0104272

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0104272	LH0234754	---	---
Sample Date	10 Oct 2023	25 Jul 2022	---	---
Machine Hours	20995	19901	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

#### American Iron and Metal

75 Steel City Court  
Hamilton, ON  
CA L8H 3Y2  
Contact: Heavy Equipment  
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T: (905)547-5533  
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#### OIL CONDITION

Visc @ 40°C	cSt	98.7	101	---	---
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#### CONTAMINATION

Water	%	0.223	---	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	1	---	---



#### WEAR METALS

PQ		324	---	---	---
Iron	ppm	1899	321	---	---
Copper	ppm	678	262	---	---
Lead	ppm	17	8	---	---
Tin	ppm	17	6	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	4	1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	12	3	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	215	2637	---	---
Magnesium	ppm	1	8	---	---
Zinc	ppm	127	596	---	---
Phosphorus	ppm	1173	958	---	---
Barium	ppm	0	0	---	---
Boron	ppm	205	67	---	---

#### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper, iron and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: AMEHAM  
Unique No: 5658044  
Signed: Kevin Marson  
Report Date: 16 Oct 2023



### GRAPHS

