

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [TECHNICORE] 116005 - Kelly Winch

Sample No: LH0270485

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0270485	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	7090	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
 Contact: Joseph Gillis  
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 T:  
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#### OIL CONDITION

Visc @ 40°C	cSt	68.6	---	---	---
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#### CONTAMINATION

Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---



#### WEAR METALS

PQ		0	---	---	---
Iron	ppm	202	---	---	---
Copper	ppm	152	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	6	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	3	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	16	---	---	---
Magnesium	ppm	26	---	---	---
Zinc	ppm	125	---	---	---
Phosphorus	ppm	1005	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	178	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper, iron and antimony ppm levels are abnormal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS  
 Unique No: 5656286  
 Signed: Kevin Marson  
 Report Date: 10 Oct 2023



### GRAPHS

