

LIEBHERR

CONSTRUCTION EQUIPMENT



[[582552]] 115316 - Drilling Drive

Sample No: LH0274350

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274350	---	---	---
Sample Date	17 Oct 2023	---	---	---
Machine Hours	8483	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.

10374 267 ST.

ACHESON, AB

CA T7X 6A2

Contact: Dustin Fluet

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OIL CONDITION

Visc @ 40°C	cSt	● 97.4	---	---	---
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CONTAMINATION

Silicon	ppm	● 3	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 19	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 8	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 25	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 22	---	---	---
Phosphorus	ppm	● 1313	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 321	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: LIESPR

Unique No: 5670781

Signed: Kevin Marson

Report Date: 02 Nov 2023



GRAPHS

