

LIEBHERR

CONSTRUCTION EQUIPMENT



[EARTH BORING [591174]] 117032 - Drilling Drive

Sample No: LH0281549

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0281549	---	---	---
Sample Date	28 Dec 2023	---	---	---
Machine Hours	999	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Gillis
 joseph.gillis@liebherr.com
 T:
 F: (905)319-6622



OIL CONDITION

Visc @ 40°C	cSt	201	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 74	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 11	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 21	---	---	---
Phosphorus	ppm	● 1150	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1	---	---	---

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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS
 Unique No: 5707344
 Signed: Kevin Marson
 Report Date: 04 Jan 2024



GRAPHS

