

LIEBHERR

CONSTRUCTION EQUIPMENT



115070 - Drilling Drive

Sample No: LH0289458

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0289458	LH0251624	---	---
Sample Date	04 Apr 2024	20 Jan 2023	---	---
Machine Hours	1873	836	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Steve Lehto
 steve.lehto@liebherr.com
 T: (905)319-9222
 F: (905)319-6617



Oil Condition

Visc @ 40°C	cSt	● 119	● 200	---	---
-------------	-----	-------	-------	-----	-----



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● <1	● 3	---	---
Sodium	ppm	● <1	● 2	---	---
Potassium	ppm	● <1	● 2	---	---



Wear Metals

Iron	ppm	● 20	● 47	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 58	171	---	---
Magnesium	ppm	● 1	● 2	---	---
Zinc	ppm	● 24	● 52	---	---
Phosphorus	ppm	● 1189	● 1241	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● 266	6	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Antimony ppm levels are abnormal. Lithium (Li) level abnormal at 20ppm., indicates possible grease contamination. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIEMIS
 Unique No: 5760864
 Signed: Kevin Marson
 Report Date: 09 Apr 2024



Graphs

