

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 134249 - 2 Winch

Sample No: LH0286371

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0286371	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	4909	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

WARD AND BURKE MICROTUNNELLING LTD
 9279 BARLOW TRAIL SE
 CALGARY, AB
 CA T2C 2N8
 Contact: Service Manager
 canadainfo@wardandburke.com
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	178	---	---	---
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Contamination

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



Wear Metals

Iron	ppm	11	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	12	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	49	---	---	---
Phosphorus	ppm	833	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	73	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA TRAXON 75W90 SYNTHETIC, however, a fluid match indicates that this fluid is SAE 90 Gear Oil. Please confirm the oil type and grade on your next sample. 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: WARCAL
 Unique No: 5776491
 Signed: Kevin Marson
 Report Date: 14 May 2024



Graphs

