

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934 060317 - Transfer Case

Sample No: LH0224831

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0224831	---	---	---
Sample Date	01 Feb 2023	---	---	---
Machine Hours	12127	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

RICHMOND STEEL

12707 170 STREET

EDMONTON, AB

CA T5V 1L9

Contact: Sandor Arguello



OIL CONDITION

Visc @ 40°C	cSt	52.0	---	---	---
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T: (780)447-3391

F:



CONTAMINATION

Silicon	ppm	5	---	---	---
Sodium	ppm	8	---	---	---
Potassium	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 20 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.



WEAR METALS

Iron	ppm	29	---	---	---
Copper	ppm	41	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1423	---	---	---
Magnesium	ppm	829	---	---	---
Zinc	ppm	1268	---	---	---
Phosphorus	ppm	1225	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	39	---	---	---

Depot: RICEDM

Unique No: 5552050

Signed: Kevin Marson

Report Date: 23 Mar 2023



GRAPHS

