

LIEBHERR

CONSTRUCTION EQUIPMENT



[(362424)] LIEBHERR L556 065472-1826 - Rear Differential

Sample No: LH

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH	LH0226828	---	---
Sample Date	20 Dec 2023	06 May 2022	---	---
Machine Hours	5792	1105	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

BOIS LIB INC.
 275 RUE JEREMIE-PACAUD
 PRINCEVILLE, QC
 CA G6L 0A1
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	86.8	103	---	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	11	7	---	---
Sodium	ppm	3	2	---	---
Potassium	ppm	1	<1	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	338	142	---	---
Copper	ppm	106	76	---	---
Lead	ppm	3	2	---	---
Tin	ppm	7	4	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	10	10	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	17	72	---	---
Magnesium	ppm	2	2	---	---
Zinc	ppm	47	48	---	---
Phosphorus	ppm	2561	2036	---	---
Barium	ppm	0	0	---	---
Boron	ppm	276	252	---	---

Depot: LIBPRI
 Unique No: 5697789
 Signed: Kevin Marson
 Report Date: 21 Dec 2023



GRAPHS

