

LIEBHERR

CONSTRUCTION EQUIPMENT



100881 - Rear Differential

Sample No: LH0289623

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0289623	LH0153885	---	---
Sample Date	01 May 2024	16 Jun 2023	---	---
Machine Hours	6972	5929	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

American Iron and Metal
 2555 Sheffield Road
 Ottawa, ON
 CA K1B 3V6
 Contact: Marc Giguere
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Oil Condition

Visc @ 40°C	cSt	● 106	● 107	---	---
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Contamination

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

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	● 5	● 3	---	---
Copper	ppm	● 2	● 2	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 0	● 0	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	320	359	---	---
Magnesium	ppm	● 3	● 3	---	---
Zinc	ppm	● 151	163	---	---
Phosphorus	ppm	● 1125	● 1218	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 251	● 249	---	---

Depot: BAKOTT
 Unique No: 5773991
 Signed: Wes Davis
 Report Date: 02 May 2024



Graphs

