

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 036436 - Rear Differential

Sample No: LH0090435

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0090435	LH0098773	LH0145589	---
Sample Date	21 Mar 2024	10 Dec 2021	07 Jun 2019	---
Machine Hours	7312	6471	0	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

McCain Farms

P.O. Box 409

Bath, NB

CA E7J 2N2

Contact: Nathan

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T: (506)278-5753

F:



Oil Condition

Visc @ 40°C	cSt	156	157	89.3	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	1	---
Sodium	ppm	2	5	<1	---
Potassium	ppm	<1	5	<1	---



Wear Metals

Iron	ppm	164	69	47	---
Copper	ppm	1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	9	4	4	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	3	6	4	---
Magnesium	ppm	<1	<1	1	---
Zinc	ppm	6	15	5	---
Phosphorus	ppm	2244	2336	2215	---
Barium	ppm	0	0	0	---
Boron	ppm	62	59	301	---

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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: MCCBAT

Unique No: 5749884

Signed: Wes Davis

Report Date: 26 Mar 2024



Graphs

