

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 049819 - Rear Differential

Sample No: LH0270356

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0270356	LH0251893	---	---
Sample Date	31 Jul 2023	19 Jan 2023	---	---
Machine Hours	10944	10083	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

MONAGHAN MUSHROOMS LTD
 7345 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Steven Cargill
 s.cargill@monaghan-mushrooms.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	113	194	---	---
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CONTAMINATION

Silicon	ppm	6	7	---	---
Sodium	ppm	4	4	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	274	272	---	---
Copper	ppm	64	103	---	---
Lead	ppm	1	2	---	---
Tin	ppm	5	6	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	20	23	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	9	8	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	12	10	---	---
Magnesium	ppm	1	0	---	---
Zinc	ppm	31	31	---	---
Phosphorus	ppm	3047	2214	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	156	4	---	---

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: MONCAM
 Unique No: 5618881
 Signed: Kevin Marson
 Report Date: 03 Aug 2023



GRAPHS

