

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 142539-1253 - Rear Differential

Sample No: LH0284076

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Goodies Trading Ltd.
8150 Aitken Road
Chilliwack, BC
CA V2R 4H5
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0284076	LH0260401	LH0260651	---
Sample Date	15 Feb 2024	17 Aug 2023	03 May 2023	---
Machine Hours	0	1138	732	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	104	99.3	64.4	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	33	2	7	---
Sodium	ppm	<1	3	19	---
Potassium	ppm	<1	<1	0	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of dirt present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	8	5	8	---
Copper	ppm	<1	3	4	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	42	355	3809	---
Magnesium	ppm	2	2	10	---
Zinc	ppm	21	184	1451	---
Phosphorus	ppm	1223	1261	1246	---
Barium	ppm	0	0	<1	---
Boron	ppm	299	273	102	---

Depot: GOOCHI
Unique No: 5733424
Signed: Kevin Marson
Report Date: 16 Feb 2024



GRAPHS

