

LIEBHERR

CONSTRUCTION EQUIPMENT



[(344091)] LIEBHERR LH40M 120553-1215 - Swing Drive

Sample No: LH0193877

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0193877	LH0193863	LH0193849	---
Sample Date	13 Feb 2024	21 Feb 2023	11 Oct 2021	---
Machine Hours	4086	2835	1021	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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



OIL CONDITION

Visc @ 40°C	cSt	150	98.8	99.9	---
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T:
F:



CONTAMINATION

Water	%	0.378	NEG	NEG	---
Silicon	ppm	2	2	2	---
Sodium	ppm	2	<1	<1	---
Potassium	ppm	1	<1	<1	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. 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 water present in the oil. Free water present. 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	303	145	28	---
Copper	ppm	29	76	41	---
Lead	ppm	1	2	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	2	1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	14	10	10	---
Magnesium	ppm	2	1	1	---
Zinc	ppm	33	12	7	---
Phosphorus	ppm	2019	1494	1336	---
Barium	ppm	1	2	1	---
Boron	ppm	30	293	280	---

Depot: GOOCHI
Unique No: 5733510
Signed: Kevin Marson
Report Date: 20 Feb 2024



GRAPHS

