

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 110456-1216 - Swing Drive

Sample No: LH0278420

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278420	LH0277118	LH0234612	LH0246696
Sample Date	29 Jan 2024	13 Oct 2023	01 Apr 2023	15 Dec 2022
Machine Hours	18585	17581	16012	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

J.D. Irving

Truro Sawmill, 529 Valley Dale Road
Truro, NS
CA B2N 5C5
Contact: Sheldon Richardson
richardson.sheldon@jdirving.com
T: (902)890-9419
F:



OIL CONDITION

Visc @ 40°C	cSt	79.3	105	104	105
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CONTAMINATION

Water	%	0.110	NEG	NEG	NEG
Silicon	ppm	12	8	4	2
Sodium	ppm	1	1	<1	3
Potassium	ppm	2	2	<1	<1



WEAR METALS

PQ		---	0	---	---
Iron	ppm	10	1308	615	4
Copper	ppm	<1	198	111	2
Lead	ppm	<1	6	4	0
Tin	ppm	0	14	7	0
Aluminum	ppm	<1	2	1	<1
Chromium	ppm	0	10	4	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	1	1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	9	5	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	49	15	10	15
Magnesium	ppm	24	1	2	5
Zinc	ppm	190	24	19	19
Phosphorus	ppm	1071	1146	1277	1302
Barium	ppm	0	2	<1	0
Boron	ppm	223	114	108	315

Diagnosis

We advise that you check all areas where dirt can enter the system. 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 trace of moisture present in the oil. 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.

Depot: JDITRU
Unique No: 5723841
Signed: Kevin Marson
Report Date: 13 Feb 2024



GRAPHS

