

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 094197-1216 - Swing Drive

Sample No: LH0284139

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0284139	LH0251212	LH0225544	LH0226954
Sample Date	18 Mar 2024	13 Mar 2023	09 Jun 2022	13 Apr 2022
Machine Hours	25297	22266	19989	19344
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	MARGINAL	NORMAL	NORMAL

INDUSTRIES GDS INC.

207 ROUTE 295
VILLE-DEGELIS, QC
CA G5T 1R1
Contact: Martin Deschenes
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T: (418)853-2566
F:



OIL CONDITION

Visc @ 40°C	cSt	177	166	159	184
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CONTAMINATION

Water	%	NEG	0.197	NEG	NEG
Silicon	ppm	2	2	<1	1
Sodium	ppm	5	2	3	2
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	316	304	165	314
Copper	ppm	144	196	70	73
Lead	ppm	3	5	2	2
Tin	ppm	2	7	2	3
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	1	2	<1	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	19	26	17	12
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	25	106	69	71
Phosphorus	ppm	2231	2115	2382	2461
Barium	ppm	10	0	0	0
Boron	ppm	1	4	3	5

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: INDVIL
Unique No: 5748941
Signed: Wes Davis
Report Date: 21 Mar 2024

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GRAPHS

