

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 094197-1216 - Splitter Box

Sample No: LH0279487

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0279487	LH0251220	LH0251214	LH0215585
Sample Date	29 Dec 2023	31 May 2023	13 Mar 2023	01 Dec 2022
Machine Hours	24211	22824	22266	21572
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

INDUSTRIES GDS INC.

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VILLE-DEGELIS, QC
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OIL CONDITION

Visc @ 40°C	cSt	140	138	130	136



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	1
Sodium	ppm	2	<1	<1	2
Potassium	ppm	<1	<1	<1	0



WEAR METALS

Iron	ppm	10	8	11	6
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	77	24	32	29
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	142	132	164	135
Phosphorus	ppm	2000	2298	2049	2170
Barium	ppm	0	0	0	0
Boron	ppm	1	2	1	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: INDVIL
Unique No: 5708289
Signed: Kevin Marson
Report Date: 08 Jan 2024



GRAPHS

