

LIEBHERR

CONSTRUCTION EQUIPMENT



041151-1148 - Splitter Box

Sample No: LH

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH	LH0242431	LH0140666	LH0133209
Sample Date	03 Nov 2023	04 Nov 2022	25 Mar 2019	25 Oct 2018
Machine Hours	8835	8193	4551	4007
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	ABNORMAL	NORMAL	NORMAL

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	106	93.9	108	131
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CONTAMINATION

Water	%	1.587	---	---	---
Silicon	ppm	4	5	6	9
Sodium	ppm	3	1	1	2
Potassium	ppm	2	3	5	7



WEAR METALS

PQ		---	11	---	71
Iron	ppm	46	310	83	140
Copper	ppm	1	3	1	2
Lead	ppm	<1	2	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	5	8	4	6
Chromium	ppm	<1	4	1	2
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	2	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	3	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	29	24	22	13
Magnesium	ppm	4	2	11	3
Zinc	ppm	25	62	32	23
Phosphorus	ppm	1196	1240	1117	1065
Barium	ppm	<1	<1	0	<1
Boron	ppm	59	19	246	200

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 high concentration of water 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: DEL782MON
Unique No: 5671371
Signed: Kevin Marson
Report Date: 07 Nov 2023



GRAPHS

