

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934CEW 038112-027 - Splitter Box

Sample No: LH0278347

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278347	LH0230407	LH0175341	LH0170913
Sample Date	18 Nov 2023	06 May 2022	12 Oct 2020	22 Apr 2020
Machine Hours	25222	22633	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

Dartmouth Metals & Bottle Ltd.
 14 Dawn Drive
 Dartmouth, NS
 CA B3B 1H9
 Contact: Service



OIL CONDITION

Visc @ 40°C	cSt	112	86.8	58.3	50.7
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	2	4	7
Sodium	ppm	<1	4	0	0
Potassium	ppm	6	0	<1	<1

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

PQ		0	---	---	23
Iron	ppm	161	14	28	102
Copper	ppm	1	<1	1	2
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	37	<1	<1	2
Chromium	ppm	2	<1	<1	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	0	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	3	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	16	14	21	25
Magnesium	ppm	6	3	2	2
Zinc	ppm	118	43	139	180
Phosphorus	ppm	1120	1241	807	752
Barium	ppm	<1	<1	0	0
Boron	ppm	118	275	172	102

Depot: DAR14DAR
 Unique No: 5683953
 Signed: Kevin Marson
 Report Date: 25 Nov 2023

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GRAPHS

