

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 036511-1168 - Splitter Box

Sample No: LH0257429

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0257429	LH0239191	LH	LH
Sample Date	14 Sep 2023	07 Nov 2022	31 Oct 2020	02 Sep 2020
Machine Hours	13330	11757	9931	9458
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

Summit Aggregates
 2686 Greenfield Blvd.
 Ayr, ON
 CA N0B 1E0
 Contact: Greg .
 greg@summitagg.com
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OIL CONDITION

Visc @ 40°C	cSt	90.9	80.0	91.1	96.7
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CONTAMINATION

Silicon	ppm	6	3	2	2
Sodium	ppm	2	<1	<1	0
Potassium	ppm	1	0	<1	<1



WEAR METALS

PQ		68	---	---	---
Iron	ppm	278	10	6	8
Copper	ppm	2	5	5	6
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	1	0	0	<1
Molybdenum	ppm	27	1	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	371	16	21
Magnesium	ppm	3	4	2	1
Zinc	ppm	16	195	22	20
Phosphorus	ppm	3009	1191	1192	1272
Barium	ppm	0	0	0	0
Boron	ppm	270	231	300	319

Diagnosis

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. 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. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SUMAYR
 Unique No: 5643982
 Signed: Bill Quesnel
 Report Date: 18 Sep 2023



GRAPHS

