

LIEBHERR

CONSTRUCTION EQUIPMENT



035301-1375 - Swing Drive

Sample No: LH0274435

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0274435	LH	LH	LH0169864
Sample Date	15 Aug 2023	19 Jan 2022	31 Mar 2021	14 May 2020
Machine Hours	13957	11963	10762	7731
Oil Hours	0	0	0	1069
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

American Iron and Metal
 10 760A HENRI BOURASSA EST
 MONTREAL, QC
 CA H1C 1S9
 Contact: M. Couturier
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 T: (514)703-7024
 F:



OIL CONDITION

Visc @ 40°C	cSt	103	103	100	101
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CONTAMINATION

Silicon	ppm	4	2	4	1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

PQ		---	---	59	---
Iron	ppm	719	377	866	118
Copper	ppm	222	208	267	78
Lead	ppm	6	6	8	2
Tin	ppm	10	8	8	2
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	3	2	4	<1
Molybdenum	ppm	<1	2	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	7	4	10	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	42	15	13
Magnesium	ppm	6	35	<1	1
Zinc	ppm	37	58	17	7
Phosphorus	ppm	1221	1261	1176	1219
Barium	ppm	0	0	0	0
Boron	ppm	177	277	248	303

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Lead and tin ppm levels are abnormal. Bearing and/or bushing wear is indicated. 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.

Depot: AIMMON
 Unique No: 5629260
 Signed: Kevin Marson
 Report Date: 17 Aug 2023

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GRAPHS

