

LIEBHERR

CONSTRUCTION EQUIPMENT



096750-1204 - Swing Drive

Sample No: LH0285133

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0285133	LH0216228	LH0251712	LH0222757
Sample Date	05 Feb 2024	02 May 2023	30 Jan 2023	06 Jun 2022
Machine Hours	10945	9957	9461	8364
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

120 Bentley Avenue

Ottawa, ON

CA K2E 6T9

Contact: Yvon Lalonde



OIL CONDITION

Visc @ 40°C	cSt	138	139	102	101

T: (819)230-7247

F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	3	2
Sodium	ppm	1	2	<1	<1
Potassium	ppm	1	0	0	1

Diagnosis

The oil change at the time of sampling has been noted. 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. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

PQ		7	---	0	---
Iron	ppm	612	228	384	344
Copper	ppm	79	45	58	67
Lead	ppm	2	1	1	2
Tin	ppm	2	2	2	2
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	4	2	3	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	1	2	2
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	12	12	9	26
Magnesium	ppm	4	7	<1	1
Zinc	ppm	18	18	17	48
Phosphorus	ppm	1791	2110	1430	1326
Barium	ppm	0	0	0	0
Boron	ppm	84	103	212	199

Depot: AME120OTT

Unique No: 5734593

Signed: Kevin Marson

Report Date: 23 Feb 2024

LIEBHERR

CONSTRUCTION EQUIPMENT



GRAPHS

