

LIEBHERR

CONSTRUCTION EQUIPMENT



045705-1491 - Swing Drive

Sample No: LH0265684

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0265684	LH0215202	LH0186262	LH0143772
Sample Date	01 Aug 2023	07 Dec 2021	11 Mar 2021	23 Jul 2019
Machine Hours	4919	2976	2015	499
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

American Iron and Metal
1273 Kelly Lake Rd.
Sudbury, ON
CA P3E 5P5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	95.9	96.0	108	197
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T:
F:



CONTAMINATION

Water	%	---	---	0.923	0.543
Silicon	ppm	7	3	9	3
Sodium	ppm	3	1	4	1
Potassium	ppm	2	<1	2	1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

PQ		---	---	2	---
Iron	ppm	550	541	1591	345
Copper	ppm	87	176	547	42
Lead	ppm	2	5	16	2
Tin	ppm	1	3	3	<1
Aluminum	ppm	4	<1	2	1
Chromium	ppm	6	6	13	2
Molybdenum	ppm	<1	2	<1	2
Nickel	ppm	1	<1	2	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	<1	0
Manganese	ppm	4	4	13	3
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	27	47	24	30
Magnesium	ppm	4	14	2	3
Zinc	ppm	54	45	34	44
Phosphorus	ppm	1328	1441	1301	1354
Barium	ppm	0	0	0	2
Boron	ppm	236	185	212	2

Depot: AIMSUD
Unique No: 5618855
Signed: Wes Davis
Report Date: 02 Aug 2023



GRAPHS

