

LIEBHERR

CONSTRUCTION EQUIPMENT



059596-194 - Swing Drive

Sample No: LH0274777

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0274777	LH0202698	LH0213822	LH0106350
Sample Date	23 Nov 2023	15 Nov 2022	04 Nov 2021	20 Sep 2016
Machine Hours	19244	17530	16550	8181
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	MARGINAL	NORMAL

American Iron and Metal

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Ottawa, ON
CA K1B 3V6
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OIL CONDITION

Visc @ 40°C	cSt	104	102	102	93.1
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CONTAMINATION

Water	%	NEG	NEG	0.115	NEG
Silicon	ppm	6	2	3	2
Sodium	ppm	<1	<1	1	1
Potassium	ppm	0	<1	<1	0

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

Iron	ppm	2	273	616	45
Copper	ppm	11	52	109	72
Lead	ppm	<1	1	4	2
Tin	ppm	0	<1	1	1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	2	4	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	<1	<1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	2	4	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	8	10	14
Magnesium	ppm	1	1	2	0
Zinc	ppm	14	13	16	17
Phosphorus	ppm	1243	1305	1400	1298
Barium	ppm	<1	0	0	0
Boron	ppm	295	295	219	294

Depot: BAKOTT
Unique No: 5684832
Signed: Wes Davis
Report Date: 30 Nov 2023



GRAPHS

