

LIEBHERR

CONSTRUCTION EQUIPMENT



[(339786)] LIEBHERR R920 047100-1705 - Swing Drive

Sample No: LH0242079

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0242079	LH0240667	LH0221948	LH0206466
Sample Date	07 Nov 2023	04 Oct 2022	21 Jan 2022	27 Sep 2021
Machine Hours	3040	1988	1006	525
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	MARGINAL	ABNORMAL

ECOWASTE INDUSTRIES LTD.

15111 WILLIAMS ROAD
RICHMOND, BC
CA V6W 1G9

Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	101	103	118	79.0
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T: (604)277-1410

F:



CONTAMINATION

Water	%	---	---	0.197	0.249
Silicon	ppm	2	4	5	51
Sodium	ppm	1	1	3	4
Potassium	ppm	<1	<1	2	3

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	237	423	360	30
Copper	ppm	155	181	35	22
Lead	ppm	3	4	1	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	2	4	2	<1
Molybdenum	ppm	0	0	<1	36
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	1	3	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	155	15	16	1780
Magnesium	ppm	2	4	10	706
Zinc	ppm	97	24	22	1000
Phosphorus	ppm	1212	1389	1625	913
Barium	ppm	<1	<1	1	5
Boron	ppm	281	281	211	102

Depot: ECORIC

Unique No: 5680922

Signed: Wes Davis

Report Date: 13 Nov 2023



GRAPHS

