

LIEBHERR

CONSTRUCTION EQUIPMENT



[(340370)] LIEBHERR R945 050696-1866 - Swing Drive

Sample No: LH0247000

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0247000	LH0222720	LH0202798	LH0186044
Sample Date	27 Jun 2023	28 Apr 2022	10 Aug 2021	04 Jan 2021
Machine Hours	4010	2019	891	504
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CLOUTHIER VENTURES LTD.
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 PEMBROKE, ON
 CA K8A 0A6
 Contact: Travis Bennett
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OIL CONDITION

Visc @ 40°C	cSt	98.0	127	126	199
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CONTAMINATION

Silicon	ppm	5	2	<1	1
Sodium	ppm	<1	3	2	8
Potassium	ppm	<1	1	<1	2



WEAR METALS

Iron	ppm	179	275	24	126
Copper	ppm	<1	<1	<1	4
Lead	ppm	0	0	0	2
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	2	5	<1	3
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	4	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	11	9	6	12
Magnesium	ppm	2	<1	2	<1
Zinc	ppm	12	9	9	10
Phosphorus	ppm	1293	1495	1375	1587
Barium	ppm	<1	6	3	14
Boron	ppm	180	174	60	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.

Depot: CLOPEM
 Unique No: 5630857
 Signed: Wes Davis
 Report Date: 23 Aug 2023



GRAPHS

