

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(340370)] LIEBHERR R945 050696-1866 - Right Final Drive

Sample No: LH0278848

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0278848	LH0247008	LH0242611	LH0222716
Sample Date	17 Jan 2024	27 Jun 2023	15 Mar 2023	28 Apr 2022
Machine Hours	4963	4010	3484	2019
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

**CLOUTHIER VENTURES LTD.**  
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#### OIL CONDITION

Visc @ 40°C	cSt	214	96.3	92.1	99.8



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	19	4	11	2
Sodium	ppm	1	2	1	<1
Potassium	ppm	<1	<1	<1	<1



#### WEAR METALS

Iron	ppm	20	15	14	17
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	1	1	1	<1
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	4	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	5	16	11	9
Magnesium	ppm	1	3	2	2
Zinc	ppm	5	15	10	9
Phosphorus	ppm	2915	1316	1362	1311
Barium	ppm	0	0	0	<1
Boron	ppm	206	309	322	301

#### 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. Viscosity of sample indicates oil is within SAE 80W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: CLOPEM  
 Unique No: 5711776  
 Signed: Kevin Marson  
 Report Date: 25 Jan 2024



### GRAPHS

