

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 112359-1216 - Rear Differential

Sample No: LH0269702

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0269702	LH0224995	LH0221781	LH0151069
Sample Date	03 Jan 2024	24 May 2023	02 Nov 2022	17 Feb 2022
Machine Hours	7308	6000	5107	4009
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

**RICHMOND STEEL**  
12707 170 STREET  
EDMONTON, AB  
CA T5V 1L9  
Contact: Sandor Arguello



#### OIL CONDITION

Visc @ 40°C	cSt	105	102	108	176

T: (780)447-3391  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	4	4	1
Sodium	ppm	<1	1	4	3
Potassium	ppm	<1	2	<1	<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

Iron	ppm	10	15	34	19
Copper	ppm	20	8	16	10
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	13	22	4	5
Magnesium	ppm	1	2	<1	<1
Zinc	ppm	20	25	12	10
Phosphorus	ppm	1208	1328	1607	2261
Barium	ppm	0	0	0	<1
Boron	ppm	290	261	186	28

Depot: RICEDM  
Unique No: 5708279  
Signed: Kevin Marson  
Report Date: 08 Jan 2024



### GRAPHS

