

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 036511-1168 - Rear Differential

Sample No: LH0278892

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### SAMPLE INFORMATION

Sample Number	LH0278892	LH0239192	LH0202977	LH
Sample Date	21 Jan 2024	07 Nov 2022	30 Sep 2021	31 Oct 2020
Machine Hours	14008	11757	10700	9931
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**Summit Aggregates**  
 2686 Greenfield Blvd.  
 Ayr, ON  
 CA N0B 1E0  
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#### OIL CONDITION

Visc @ 40°C	cSt	95.4	97.2	91.8	90.1
Visc @ 100°C	cSt	---	---	14.5	---
Viscosity Index (VI)	Scale	---	---	164	---



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	2
Sodium	ppm	<1	<1	2	<1
Potassium	ppm	<1	0	3	<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	83	80	94	267
Copper	ppm	1	<1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	7	6	11	8
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	11	15	11	4
Magnesium	ppm	2	1	3	1
Zinc	ppm	10	11	9	5
Phosphorus	ppm	2513	2639	3048	2934
Barium	ppm	<1	0	0	0
Boron	ppm	293	297	289	271

**Depot:** SUMAYR  
**Unique No:** 5711458  
**Signed:** Wes Davis  
**Report Date:** 22 Jan 2024



### GRAPHS

