

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR 566 ZB015120 - Rear Differential

Sample No: LH0162716

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0162716	LH0145883	LH0125551	---
Sample Date	22 Feb 2024	11 Nov 2019	10 Jul 2019	---
Machine Hours	19349	14522	13980	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

**CLOUTHIER VENTURES LTD.**  
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 PEMBROKE, ON  
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#### OIL CONDITION

Visc @ 40°C	cSt	128	98.7	83.1	---
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#### CONTAMINATION

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

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	139	41	154	---
Copper	ppm	5	7	11	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	4	1	2	---
Chromium	ppm	1	<1	1	---
Molybdenum	ppm	12	6	18	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	119	11	33	---
Magnesium	ppm	3	<1	2	---
Zinc	ppm	29	7	22	---
Phosphorus	ppm	671	1451	2525	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	52	325	285	---

Depot: CLOPEM  
 Unique No: 5736434  
 Signed: Wes Davis  
 Report Date: 01 Mar 2024



### GRAPHS

