

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[360040]] VOLVO L70H 622160 - Rear Axle

Sample No: LH353246

Oil Type: VOLVO WET BRAKE TRANSAXLE OIL



#### SAMPLE INFORMATION

Sample Number	LH353246	VCP280586	VCP213479	---
Sample Date	06 Apr 2023	18 Aug 2021	22 Mar 2019	---
Machine Hours	6501	4205	2110	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
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#### OIL CONDITION

Visc @ 40°C	cSt	49.1	48.1	50.1	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	32	12	12	---
Sodium	ppm	9	4	<1	---
Potassium	ppm	2	<1	<1	---



#### WEAR METALS

PQ		210	---	---	---
Iron	ppm	526	181	265	---
Copper	ppm	16	8	27	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	2	<1	3	---
Aluminum	ppm	4	<1	<1	---
Chromium	ppm	3	<1	2	---
Molybdenum	ppm	6	1	4	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	2	4	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	4151	3429	3699	---
Magnesium	ppm	21	11	11	---
Zinc	ppm	1486	1385	1459	---
Phosphorus	ppm	1258	1246	1190	---
Barium	ppm	0	0	0	---
Boron	ppm	115	100	106	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO9652  
**Unique No:** 5555705  
**Signed:** Kevin Marson  
**Report Date:** 12 Apr 2023



### GRAPHS

