



# CONSTRUCTION EQUIPMENT

5024HR RITCHIE BRO VOLVO L90F 68193 - FRONT AXLE



**Sample No:** VCP430534  
**Oil Type:** TDH FLUID SAE 70W80  
**Job No:** 5024HR RITCHIE BRO



## SAMPLE INFORMATION

Sample Number	VCP430534	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	23801	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO MAIN**  
 PO BOX 1957  
 HARRISBURG, PA  
 US 17105  
 Contact: CHAD HERRON



## OIL CONDITION

Visc @ 40°C	cSt	█ 40.0	---	---	---
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T: 7(175)643-3031  
 F: (717)564-3568



## CONTAMINATION

Water	%	▲ 0.260	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 3438	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 1499	---	---	---
Phosphorus	ppm	█ 1195	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 77	---	---	---

**Depot:** VOLVO0025  
**Unique No:** 10769938  
**Signed:** Sean Felton  
**Report Date:** 07 Dec 2023



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## GRAPHS

