



CONSTRUCTION EQUIPMENT

5024HR RITCHIE BRO VOLVO L90F 68193 - REAR AXLE



Sample No: VCP430581
Oil Type: TDH FLUID SAE 70W80
Job No: 5024HR RITCHIE BRO



SAMPLE INFORMATION

Sample Number	VCP430581	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	23801	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
PO BOX 1957
HARRISBURG, PA
US 17105
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OIL CONDITION

Visc @ 40°C	cSt	■ 38.4	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

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	■ 21	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 3337	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 1431	---	---	---
Phosphorus	ppm	■ 1178	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 83	---	---	---

Depot: VOLVO0025
Unique No: 10769937
Signed: Sean Felton
Report Date: 07 Dec 2023



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GRAPHS

