



CONSTRUCTION EQUIPMENT

VOLVO A30G 15-1091 - FRONT AXLE



Sample No: VCP432478
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP432478	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	3941	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rtturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 208	---	---	---
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CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 172	---	---	---
Copper	ppm	■ 28	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 230	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 129	---	---	---
Phosphorus	ppm	■ 1131	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 147	---	---	---

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 oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot: RIPTAM
Unique No: 10724386
Signed: Don Baldrige
Report Date: 03 Nov 2023



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GRAPHS

