



CONSTRUCTION EQUIPMENT

579653 VOLVO A40G 353131 - FRONT AXLE



Sample No: VCP422696
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 579653



SAMPLE INFORMATION

Sample Number	VCP422696	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	2234	---	---	---
Oil Hours	1500	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
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 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	■ 323	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 74	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

Iron	ppm	■ 370	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 30	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 14	---	---	---
Phosphorus	ppm	■ 1139	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 237	---	---	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10566012
Signed: Don Baldridge
Report Date: 25 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

