



CONSTRUCTION EQUIPMENT

595224 VOLVO A40G 352787 - FRONT AXLE



Sample No: VCP417021
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 595224



SAMPLE INFORMATION

Sample Number	VCP417021	VCP350113	VCP351162	---
Sample Date	25 Aug 2023	30 Jun 2022	20 Jan 2022	---
Machine Hours	4246	1962	940	---
Oil Hours	3246	1000	940	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	223	261	▲ 50.1	---
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CONTAMINATION

Silicon	ppm	9	2	5	---
Sodium	ppm	0	0	3	---
Potassium	ppm	0	1	4	---

WEAR METALS

Iron	ppm	108	51	385	---
Copper	ppm	4	<1	3	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	1	<1	6	---
Molybdenum	ppm	2	1	8	---
Nickel	ppm	0	0	2	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	2	14	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	25	74	36	---
Magnesium	ppm	<1	5	0	---
Zinc	ppm	67	80	▲ 15	---
Phosphorus	ppm	1023	876	▲ 2769	---
Barium	ppm	0	2	0	---
Boron	ppm	180	169	▲ 283	---

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.

Depot: RIPTAM
Unique No: 10669040
Signed: Wes Davis
Report Date: 28 Sep 2023



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GRAPHS

