



CONSTRUCTION EQUIPMENT

VOLVO A40G 353024 - BOGIE/CENTER AXLE



Sample No: VCP421343
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP421343	VCP416733	---	---
Sample Date	29 Aug 2023	06 Jun 2023	---	---
Machine Hours	2996	2513	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 51.9	▲ 49.2	---	---
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CONTAMINATION

Water	%	▲ 0.284	---	---	---
Silicon	ppm	■ 30	■ 11	---	---
Sodium	ppm	■ 0	■ 3	---	---
Potassium	ppm	■ 3	■ 4	---	---

Diagnosis
 The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

WEAR METALS

Iron	ppm	■ 601	■ 287	---	---
Copper	ppm	■ 11	■ 1	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 15	■ 2	---	---
Chromium	ppm	■ 4	■ 4	---	---
Molybdenum	ppm	■ 4	■ 3	---	---
Nickel	ppm	■ 3	■ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 11	■ 15	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 96	■ 18	---	---
Magnesium	ppm	■ 6	■ 0	---	---
Zinc	ppm	■ 107	■ 6	---	---
Phosphorus	ppm	2285	■ 2624	---	---
Barium	ppm	■ 2	■ 0	---	---
Boron	ppm	■ 38	■ 232	---	---

Depot: VOLVO0090
Unique No: 10633230
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

