



CONSTRUCTION EQUIPMENT

VOLVO A40G 342660 - FRONT AXLE



Sample No: VCP0007794
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007794	VCP414761	---	---
Sample Date	29 Mar 2024	16 Aug 2023	---	---
Machine Hours	5381	4876	---	---
Oil Hours	5381	1000	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
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 T: (904)737-6000
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OIL CONDITION

Visc @ 40°C	cSt	● 85.4	● 67.4	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 7	■ 9	---	---
Sodium	ppm	■ 2	■ 2	---	---
Potassium	ppm	■ 0	■ 3	---	---

WEAR METALS

Iron	ppm	■ 155	■ 306	---	---
Copper	ppm	■ 1	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ <1	■ <1	---	---
Chromium	ppm	■ 2	■ 6	---	---
Molybdenum	ppm	● 37	● 67	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 4	■ 7	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 742	● 1157	---	---
Magnesium	ppm	● 453	● 856	---	---
Zinc	ppm	● 689	● 1168	---	---
Phosphorus	ppm	■ 1139	● 1171	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 147	■ 117	---	---

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

Depot: VOLVO0092
Unique No: 10962582
Signed: Sean Felton
Report Date: 05 Apr 2024



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GRAPHS

