



CONSTRUCTION EQUIPMENT

VOLVO A40G 352785 - FRONT AXLE



Sample No: VCP441087
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP441087	VCP312604	---	---
Sample Date	19 Jan 2024	28 Dec 2021	---	---
Machine Hours	4101	1133	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	▲ 41.7	■ 50.3	---	---
-------------	-----	---------------	--------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 24	■ 9	---	---
Sodium	ppm	■ 8	■ 2	---	---
Potassium	ppm	■ 8	■ 6	---	---

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 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.



WEAR METALS

Iron	ppm	■ 633	■ 567	---	---
Copper	ppm	■ 4	■ 2	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ 10	■ 8	---	---
Molybdenum	ppm	■ 10	■ 9	---	---
Nickel	ppm	■ 4	■ 2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 18	■ 19	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	▲ 4275	■ 21	---	---
Magnesium	ppm	■ 20	■ 2	---	---
Zinc	ppm	▲ 1775	■ 11	---	---
Phosphorus	ppm	▲ 1529	■ 2297	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 229	■ 286	---	---

Depot: VOLVO0090
Unique No: 10847417
Signed: Don Baldrige
Report Date: 28 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

