



CONSTRUCTION EQUIPMENT

VOLVO A40G 353024 - DROP BOX



Sample No: VCP426688
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP426688	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	2996	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	▲ 46.3	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 59	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

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



WEAR METALS

Iron	ppm	■ 106	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 7	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 100	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 125	---	---	---
Phosphorus	ppm	2208	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 96	---	---	---

Depot: VOLVO0090
Unique No: 10633233
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

