



CONSTRUCTION EQUIPMENT

716461 BRIAR VOLVO A25 752384 - DROP BOX



Sample No: VCP449979
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 716461 BRIAR



SAMPLE INFORMATION

Sample Number	VCP449979	---	---	---
Sample Date	16 May 2024	---	---	---
Machine Hours	3018	---	---	---
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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 T:
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OIL CONDITION

Visc @ 40°C	cSt	● 48.3	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 70	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	▲ 511	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 17	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 121	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 250	---	---	---
Phosphorus	ppm	● 2575	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 112	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. 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: VOLVO0090
Unique No: 11036049
Signed: Sean Felton
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

