



CONSTRUCTION EQUIPMENT

VOLVO A45G 353418 - DROP BOX



Sample No: VCP436853
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP436853	---	---	---
Sample Date	05 Apr 2024	---	---	---
Machine Hours	1960	---	---	---
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	● 48.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 55	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	▲ 637	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 9	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 57	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 92	---	---	---
Phosphorus	ppm	2187	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 88	---	---	---

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO0090
Unique No: 10966544
Signed: Don Baldrige
Report Date: 10 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

