



CONSTRUCTION EQUIPMENT

SW-33842-2 CASTLE VA VOLVO EC355 314020 - LEFT SWING DRIVE



Sample No: VCP397014
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-33842-2 CASTLE VA



SAMPLE INFORMATION

Sample Number	VCP397014	---	---	---
Sample Date	03 May 2024	---	---	---
Machine Hours	3270	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 US 84119
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OIL CONDITION

Visc @ 40°C	cSt	● 251	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

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 higher than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 673	---	---	---
Copper	ppm	■ 23	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	8	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 22	---	---	---
Phosphorus	ppm	■ 1214	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 192	---	---	---

Depot: VOLVO8770
Unique No: 11023581
Signed: Don Baldrige
Report Date: 15 May 2024



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GRAPHS

