



CONSTRUCTION EQUIPMENT

SWA174722-70 ACTION VOLVO EC140BLC 11614 - FRONT RIGHT FINAL DRIVE



Sample No: VCP402862
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA174722-70 ACTION



SAMPLE INFORMATION

Sample Number	VCP402862	---	---	---
Sample Date	16 Feb 2023	---	---	---
Machine Hours	4627	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 311	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 106	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 3	---	---	---

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. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 426	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 16	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 76	---	---	---
Magnesium	ppm	■ 18	---	---	---
Zinc	ppm	■ 54	---	---	---
Phosphorus	ppm	■ 834	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 117	---	---	---

Depot: VOLVO0093
Unique No: 10348878
Signed: Don Baldrige
Report Date: 23 Feb 2023



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GRAPHS

