



CONSTRUCTION EQUIPMENT

X59558 VOLVO EC300ELR 317660 - REAR LEFT FINAL DRIVE



Sample No: VCP437016
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: X59558



SAMPLE INFORMATION

Sample Number	VCP437016	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	1020	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 282	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 129	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 11	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 349	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 18	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 9	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 15	---	---	---
Phosphorus	ppm	█ 855	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 133	---	---	---

Depot: SCOSAI
Unique No: 11019023
Signed: Don Baldrige
Report Date: 10 May 2024



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VOLVO GRAPHS

