



CONSTRUCTION EQUIPMENT

SPM606742 ATLAS ORG VOLVO EC220E 314134 - REAR RIGHT FINAL DRIVE



Sample No: VCP418340
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM606742 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP418340	VCP415607	---	---
Sample Date	12 Sep 2023	21 Jun 2023	---	---
Machine Hours	7093	6525	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	161	162	---	---
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CONTAMINATION

Silicon	ppm	33	16	---	---
Sodium	ppm	5	3	---	---
Potassium	ppm	16	4	---	---



WEAR METALS

Iron	ppm	384	213	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	4	---	---
Chromium	ppm	5	3	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	4	3	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	53	13	---	---
Magnesium	ppm	2	4	---	---
Zinc	ppm	36	11	---	---
Phosphorus	ppm	915	874	---	---
Barium	ppm	0	0	---	---
Boron	ppm	94	94	---	---

Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10657939
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

