



CONSTRUCTION EQUIPMENT

SPM606742 ATLAS ORG VOLVO EC220E 314134 - REAR LEFT FINAL DRIVE



Sample No: VCP418342
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM606742 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP418342	VCP413205	---	---
Sample Date	12 Sep 2023	21 Jun 2023	---	---
Machine Hours	7093	6525	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

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

Silicon	ppm	32	17	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	12	6	---	---

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.



WEAR METALS

Iron	ppm	334	287	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	5	---	---
Chromium	ppm	4	4	---	---
Molybdenum	ppm	<1	1	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	30	15	---	---
Magnesium	ppm	2	4	---	---
Zinc	ppm	22	14	---	---
Phosphorus	ppm	914	904	---	---
Barium	ppm	0	0	---	---
Boron	ppm	86	91	---	---

Depot: VOLVO0093
Unique No: 10657940
Signed: Jonathan Hester
Report Date: 22 Sep 2023



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GRAPHS

