



CONSTRUCTION EQUIPMENT

443969 ATLAS ORG VOLVO EC220E 314134 - SWING DRIVE



Sample No: VCP435638
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 443969 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP435638	VCP418338	VCP424927	---
Sample Date	21 Dec 2023	12 Sep 2023	21 Jun 2023	---
Machine Hours	7771	7093	6525	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	SEVERE	ABNORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	313	187	181	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	29	19	---
Sodium	ppm	0	1	1	---
Potassium	ppm	<1	1	2	---

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	242	2263	659	---
Copper	ppm	10	43	9	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	2	4	---
Chromium	ppm	2	22	6	---
Molybdenum	ppm	2	2	<1	---
Nickel	ppm	0	2	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	21	7	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	79	4	2	---
Magnesium	ppm	20	1	4	---
Zinc	ppm	37	36	8	---
Phosphorus	ppm	989	399	219	---
Barium	ppm	0	0	0	---
Boron	ppm	180	0	2	---

Depot: VOLVO0093
Unique No: 10808680
Signed: Wes Davis
Report Date: 02 Jan 2024



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GRAPHS

