



CONSTRUCTION EQUIPMENT

VOLVO A45G 353 131 - DROP BOX



Sample No: VCP455174
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP455174	VCP437312	VCP403391	---
Sample Date	26 Apr 2024	16 Apr 2024	23 Sep 2023	---
Machine Hours	3575	3526	2371	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ABNORMAL	SEVERE	NORMAL	---

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 5151 DR MARTIN LUTHER KING BLVD
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OIL CONDITION

Visc @ 40°C	cSt	211	211	209	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	14	10	---
Sodium	ppm	1	2	2	---
Potassium	ppm	2	<1	2	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	781	1128	314	---
Copper	ppm	7	5	5	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	8	11	3	---
Molybdenum	ppm	14	17	10	---
Nickel	ppm	4	7	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	10	13	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	153	99	101	---
Magnesium	ppm	33	25	32	---
Zinc	ppm	115	83	77	---
Phosphorus	ppm	1152	1177	1047	---
Barium	ppm	0	0	0	---
Boron	ppm	102	95	94	---

Depot: VOLVO0090
Unique No: 11006750
Signed: Jonathan Hester
Report Date: 05 May 2024



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GRAPHS

