



CONSTRUCTION EQUIPMENT

537146 VOLVO A40G 353375 - BOGIE/CENTER AXLE



Sample No: VCP449538
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 537146



SAMPLE INFORMATION

Sample Number	VCP449538	VCP412075	VCP417670	---
Sample Date	18 Apr 2024	07 Sep 2023	14 Jul 2023	---
Machine Hours	4458	2328	1524	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	289	290	52.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	3	5	---
Sodium	ppm	0	<1	3	---
Potassium	ppm	0	3	7	---

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	76	66	329	---
Copper	ppm	1	0	3	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	0	<1	---
Chromium	ppm	<1	<1	5	---
Molybdenum	ppm	2	3	9	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	2	14	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	65	77	7	---
Magnesium	ppm	14	18	0	---
Zinc	ppm	37	43	0	---
Phosphorus	ppm	1088	1106	2677	---
Barium	ppm	0	0	0	---
Boron	ppm	196	208	328	---

Depot: VOLVO0096
Unique No: 10994882
Signed: Jonathan Hester
Report Date: 26 Apr 2024



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GRAPHS

