



CONSTRUCTION EQUIPMENT

463363-10 WATERFRONT VOLVO A40G 342355 - FRONT AXLE



Sample No: VCP449055
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 463363-10 WATERFRONT



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SAMPLE INFORMATION

Sample Number	VCP449055	VCP302648	VCP282154	---
Sample Date	02 Jan 2024	21 Jan 2021	03 Sep 2020	---
Machine Hours	7884	5098	4547	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	266	118	53.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	2	8	---
Sodium	ppm	<1	<1	4	---
Potassium	ppm	0	5	0	---



WEAR METALS

Iron	ppm	322	130	237	---
Copper	ppm	<1	<1	3	---
Lead	ppm	0	1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	<1	1	---
Chromium	ppm	3	2	2	---
Molybdenum	ppm	6	3	<1	---
Nickel	ppm	1	2	1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	4	4	8	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	93	138	26	---
Magnesium	ppm	30	2	0	---
Zinc	ppm	74	65	18	---
Phosphorus	ppm	956	934	2393	---
Barium	ppm	<1	0	0	---
Boron	ppm	153	149	200	---

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: 10845497
Signed: Wes Davis
Report Date: 24 Jan 2024



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GRAPHS

