



CONSTRUCTION EQUIPMENT

633743 PRIMORIS VOLVO A40G 352509 - FRONT AXLE



Sample No: VCP440788
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633743 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP440788	VCP424856	VCP365212	---
Sample Date	16 Nov 2023	25 Apr 2023	16 Aug 2022	---
Machine Hours	5500	4282	3145	---
Oil Hours	1500	3282	500	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	294	51.0	51.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	6	6	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	1	4	3	---

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	84	738	468	---
Copper	ppm	1	4	4	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	10	6	---
Molybdenum	ppm	3	7	5	---
Nickel	ppm	0	2	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	20	15	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	42	26	18	---
Magnesium	ppm	9	1	<1	---
Zinc	ppm	0	22	13	---
Phosphorus	ppm	1189	2382	2469	---
Barium	ppm	3	0	0	---
Boron	ppm	208	120	172	---

Depot: VOLVO0093
Unique No: 10834515
Signed: Sean Felton
Report Date: 19 Jan 2024



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GRAPHS

