



CONSTRUCTION EQUIPMENT

593964 C&C ALJON 600 30126 - REAR LEFT FINAL DRIVE



Sample No: VCP412279
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593964 C&C



SAMPLE INFORMATION

Sample Number	VCP412279	VCP420955	VCP368656	VCP399704
Sample Date	09 Aug 2023	14 Jun 2023	16 May 2023	01 Mar 2023
Machine Hours	3146	2756	2553	2104
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	271	257	274	271
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CONTAMINATION

Water	%	---	0.082	---	---
Silicon	ppm	6	3	2	<1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	0	0	<1	<1

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	181	161	136	64
Copper	ppm	2	2	2	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	2	2	2	0
Molybdenum	ppm	4	6	6	4
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	0
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	105	108	114	102
Magnesium	ppm	29	27	27	25
Zinc	ppm	75	66	66	64
Phosphorus	ppm	1027	1055	1009	935
Barium	ppm	0	0	0	0
Boron	ppm	158	212	191	194

Depot: VOLVO0096
Unique No: 10608427
Signed: Wes Davis
Report Date: 21 Aug 2023



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GRAPHS

