



CONSTRUCTION EQUIPMENT

593950 C&C ALJON 600 30124 - REAR LEFT FINAL DRIVE



Sample No: VCP417694
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593950 C&C



SAMPLE INFORMATION

Sample Number	VCP417694	VCP413195	VCP398662	VCP398901
Sample Date	10 Aug 2023	14 Jun 2023	19 Apr 2023	15 Feb 2023
Machine Hours	3205	2952	2673	2232
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	279	282	283	282
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CONTAMINATION

Silicon	ppm	2	2	2	2
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	0	0	0

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	103	100	82	53
Copper	ppm	5	4	4	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	4	5	5	4
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	91	97	91	85
Magnesium	ppm	19	21	25	22
Zinc	ppm	52	60	63	53
Phosphorus	ppm	993	1050	988	876
Barium	ppm	0	0	0	0
Boron	ppm	168	195	184	198

Depot: VOLVO0096
Unique No: 10605064
Signed: Wes Davis
Report Date: 16 Aug 2023



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GRAPHS

