



CONSTRUCTION EQUIPMENT

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



Sample No: VCP417679
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593950 C&C



SAMPLE INFORMATION

Sample Number	VCP417679	VCP413204	VCP399784	VCP398683
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	277	277	278	281
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CONTAMINATION

Silicon	ppm	4	4	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	201	171	114	62
Copper	ppm	5	5	4	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	2	2	1	<1
Molybdenum	ppm	5	6	5	5
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	90	98	93	91
Magnesium	ppm	22	28	26	23
Zinc	ppm	55	63	61	56
Phosphorus	ppm	995	1062	972	841
Barium	ppm	0	0	0	0
Boron	ppm	162	198	188	188

Depot: VOLVO0096
Unique No: 10605065
Signed: Wes Davis
Report Date: 16 Aug 2023



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GRAPHS

