



CONSTRUCTION EQUIPMENT

701286 PRIMORIS VOLVO A40G 352491 - BOGIE/CENTER AXLE



Sample No: VCP444190
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701286 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP444190	VCP426342	VCP420216	VCP364343
Sample Date	18 Apr 2024	22 Sep 2023	25 Apr 2023	15 Aug 2022
Machine Hours	5157	4299	3617	2635
Oil Hours	1000	3299	3000	500
Oil Changed	N/A	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	270	53.3	53.7	53.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	7	9	7
Sodium	ppm	<1	0	0	2
Potassium	ppm	<1	4	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	107	513	338	277
Copper	ppm	<1	6	6	5
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	2	0	1
Chromium	ppm	1	7	3	3
Molybdenum	ppm	7	6	6	5
Nickel	ppm	<1	2	1	2
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	18	14	12
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	236	22	18	46
Magnesium	ppm	68	3	2	2
Zinc	ppm	171	24	31	30
Phosphorus	ppm	1153	2460	2315	2512
Barium	ppm	0	9	0	0
Boron	ppm	207	109	132	96

Depot: VOLVO0093
Unique No: 11047525
Signed: Wes Davis
Report Date: 28 May 2024



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GRAPHS

