



CONSTRUCTION EQUIPMENT

701286 PRIMORIS VOLVO A40G 352491 - REAR AXLE



Sample No: VCP444775
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701286 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP444775	VCP426341	VCP392715	VCP364298
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	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	ATTENTION	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	268	52.4	53.4	53.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	10	5	6
Sodium	ppm	<1	<1	0	1
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	151	439	507	384
Copper	ppm	1	8	6	5
Lead	ppm	0	<1	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	2	0	<1
Chromium	ppm	2	4	7	5
Molybdenum	ppm	8	5	6	5
Nickel	ppm	1	2	1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	6	13	19	14
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	236	28	24	20
Magnesium	ppm	70	2	3	2
Zinc	ppm	171	41	30	16
Phosphorus	ppm	1148	2429	2357	2371
Barium	ppm	0	10	0	0
Boron	ppm	236	132	101	82

Depot: VOLVO0093
Unique No: 11047527
Signed: Wes Davis
Report Date: 28 May 2024



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GRAPHS

