



CONSTRUCTION EQUIPMENT

579943 TUCKER PAVING VOLVO A25G 742081 - REAR AXLE



Sample No: VCP425805
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 579943 TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP425805	VCP357471	VCP310129	VCP301392
Sample Date	14 Jul 2023	21 Apr 2022	09 Jul 2021	18 Jan 2021
Machine Hours	7964	6063	5033	4422
Oil Hours	4000	2000	1000	2000
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	264	296	290	297
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CONTAMINATION

Silicon	ppm	13	30	<1	16
Sodium	ppm	<1	0	<1	<1
Potassium	ppm	0	<1	0	12

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	134	34	324
Copper	ppm	111	119	3	52
Lead	ppm	0	0	0	<1
Tin	ppm	4	4	0	0
Aluminum	ppm	1	4	0	1
Chromium	ppm	1	1	<1	4
Molybdenum	ppm	3	2	2	8
Nickel	ppm	<1	1	0	3
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	2	<1	8
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	95	71	87	113
Magnesium	ppm	12	26	17	2
Zinc	ppm	46	50	55	57
Phosphorus	ppm	1092	944	835	948
Barium	ppm	0	0	0	0
Boron	ppm	215	143	182	119

Depot: VOLVO0093
Unique No: 10572465
Signed: Wes Davis
Report Date: 25 Jul 2023



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GRAPHS

