



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 740257 - REAR AXLE



Sample No: VCP438567
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP438567	VCP452124	VCP386666	VCP317057
Sample Date	08 Jul 2024	08 Jan 2024	30 Nov 2022	25 Jun 2021
Machine Hours	10131	9175	8249	6077
Oil Hours	0	1000	4000	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	SEVERE

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OIL CONDITION

Visc @ 40°C	cSt	232	285	213	312
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	29	52	132	304
Sodium	ppm	0	<1	2	1
Potassium	ppm	2	2	<1	2

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	343	208	770	1541
Copper	ppm	36	43	252	206
Lead	ppm	0	0	6	<1
Tin	ppm	2	2	11	10
Aluminum	ppm	3	4	11	12
Chromium	ppm	2	2	10	18
Molybdenum	ppm	17	12	4	4
Nickel	ppm	1	2	7	13
Titanium	ppm	<1	<1	<1	2
Silver	ppm	<1	0	0	0
Manganese	ppm	2	2	9	13
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	319	128	650	61
Magnesium	ppm	71	43	15	11
Zinc	ppm	220	101	275	19
Phosphorus	ppm	1026	1013	1020	904
Barium	ppm	<1	0	0	0
Boron	ppm	160	134	162	190

Depot: VOLVO0093
Unique No: 11124073
Signed: Sean Felton
Report Date: 15 Jul 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

