



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO A25G 752438 - REAR AXLE



Sample No: VCP444731
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP444731	VCP383063	VCP389877	---
Sample Date	18 Jun 2024	22 Feb 2023	18 Oct 2022	---
Machine Hours	3330	1047	523	---
Oil Hours	0	500	500	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	216	202	94.5	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	4	5	---
Sodium	ppm	1	0	1	---
Potassium	ppm	0	<1	<1	---

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	127	86	204	---
Copper	ppm	19	8	20	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	2	2	5	---
Molybdenum	ppm	8	8	15	---
Nickel	ppm	<1	<1	2	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	10	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	307	336	779	---
Magnesium	ppm	18	26	2	---
Zinc	ppm	152	166	317	---
Phosphorus	ppm	1086	1010	1294	---
Barium	ppm	<1	0	<1	---
Boron	ppm	159	172	246	---

Depot: VOLVO0093
Unique No: 11099831
Signed: Wes Davis
Report Date: 27 Jun 2024



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GRAPHS

