



CONSTRUCTION EQUIPMENT

566115 TUCKER PAVING VOLVO EC380EL 314448 - REAR LEFT FINAL DRIVE



Sample No: VCP424434
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 566115 TUCKER PAVING



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP424434	VCP354748	VCP345723	VCP317987
Sample Date	12 Jun 2023	29 Aug 2022	12 Jan 2022	09 Sep 2021
Machine Hours	3267	2121	1186	640
Oil Hours	1000	1000	500	640
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	251	249	163	164
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CONTAMINATION

Silicon	ppm	▲ 85	8	11	17
Sodium	ppm	■ <1	0	2	3
Potassium	ppm	■ <1	<1	1	<1



WEAR METALS

Iron	ppm	▲ 464	71	191	188
Copper	ppm	■ <1	<1	<1	<1
Lead	ppm	■ 0	0	<1	0
Tin	ppm	■ 0	0	<1	<1
Aluminum	ppm	▲ 8	1	2	3
Chromium	ppm	▲ 12	2	4	5
Molybdenum	ppm	■ 2	<1	<1	<1
Nickel	ppm	■ <1	0	<1	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	■ 5	<1	3	3
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	22	19	5	40
Magnesium	ppm	5	5	2	2
Zinc	ppm	70	86	18	21
Phosphorus	ppm	899	1020	303	286
Barium	ppm	0	2	0	0
Boron	ppm	86	133	2	13

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10551183
Signed: Sean Felton
Report Date: 13 Jul 2023



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GRAPHS

