



CONSTRUCTION EQUIPMENT

566115 TUCKER PAVING VOLVO EC380EL 314448 - REAR RIGHT FINAL DRIVE



Sample No: VCP396857
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 566115 TUCKER PAVING



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 JFARDELLA@ALTAEQUIPFL.COM
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP396857	VCP341470	VCP351188	VCP318115
Sample Date	15 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	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	233	236	164	165
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CONTAMINATION

Silicon	ppm	72	11	16	11
Sodium	ppm	<1	0	3	3
Potassium	ppm	1	1	1	0



WEAR METALS

Iron	ppm	463	96	205	170
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	2	0	<1	<1
Aluminum	ppm	8	2	3	1
Chromium	ppm	12	3	5	4
Molybdenum	ppm	2	<1	<1	<1
Nickel	ppm	2	0	<1	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	5	1	3	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	31	46	13	12
Magnesium	ppm	5	5	3	1
Zinc	ppm	78	89	24	19
Phosphorus	ppm	837	949	309	296
Barium	ppm	0	3	0	0
Boron	ppm	65	99	1	10

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.

Depot: VOLVO0093
Unique No: 10551191
Signed: Jonathan Hester
Report Date: 13 Jul 2023



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GRAPHS

