



CONSTRUCTION EQUIPMENT

TUCKER PAVING - FRONT AXLE



Sample No: VCP445562
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER PAVING



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP445562	VCP386229	VCP385957	VCP330229
Sample Date	10 Apr 2024	12 Oct 2022	12 Oct 2022	23 Feb 2022
Machine Hours	7317	6141	6141	5157
Oil Hours	0	1500	2000	1000
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	218	233	176	181
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	7	5
Sodium	ppm	0	0	1	0
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	197	52	264	241
Copper	ppm	80	0	72	44
Lead	ppm	<1	0	0	<1
Tin	ppm	4	0	4	1
Aluminum	ppm	1	<1	1	2
Chromium	ppm	2	2	4	4
Molybdenum	ppm	6	3	6	5
Nickel	ppm	2	0	2	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	<1	6	5
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	200	82	154	122
Magnesium	ppm	27	22	18	16
Zinc	ppm	125	140	104	79
Phosphorus	ppm	1013	896	1017	1108
Barium	ppm	0	0	<1	0
Boron	ppm	145	98	142	162

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 11083364
Signed: Sean Felton
Report Date: 18 Jun 2024



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GRAPHS

