



CONSTRUCTION EQUIPMENT

593719 TUCKER VOLVO EC380E 314427 - REAR LEFT FINAL DRIVE



Sample No: VCP422674
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593719 TUCKER



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP422674	VCP395013	VCP359341	VCP350733
Sample Date	09 Aug 2023	13 Mar 2023	25 Apr 2022	06 Jan 2022
Machine Hours	4011	3403	2240	1822
Oil Hours	2000	1500	1300	1500
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	SEVERE	ABNORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	240	234	173	179
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CONTAMINATION

Silicon	ppm	258	147	79	15
Sodium	ppm	2	1	2	0
Potassium	ppm	0	0	0	3



WEAR METALS

Iron	ppm	1500	639	450	252
Copper	ppm	3	<1	<1	10
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	35	20	8	1
Chromium	ppm	29	18	13	2
Molybdenum	ppm	4	4	1	0
Nickel	ppm	2	<1	1	0
Titanium	ppm	3	2	1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	12	6	5	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	27	37	9	60
Magnesium	ppm	5	10	<1	0
Zinc	ppm	23	25	13	46
Phosphorus	ppm	942	915	359	456
Barium	ppm	0	0	0	0
Boron	ppm	111	102	8	3

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10620315
Signed: Sean Felton
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

