



CONSTRUCTION EQUIPMENT

TUCKER VOLVO EC380E 314427 - REAR RIGHT FINAL DRIVE



Sample No: VCP450940
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



SAMPLE INFORMATION

Sample Number	VCP450940	VCP422485	VCP410345	VCP359344
Sample Date	18 May 2024	09 Aug 2023	13 Mar 2023	25 Apr 2022
Machine Hours	5148	4011	3403	2240
Oil Hours	0	2000	3403	1000
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	297	241	241	173
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	25	83	63	35
Sodium	ppm	0	2	1	2
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	211	844	644	399
Copper	ppm	<1	2	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	15	13	4
Chromium	ppm	5	16	12	7
Molybdenum	ppm	1	3	3	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	7	6	5
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	119	27	54	29
Magnesium	ppm	5	6	10	0
Zinc	ppm	58	28	33	19
Phosphorus	ppm	1128	954	966	315
Barium	ppm	0	0	0	0
Boron	ppm	162	109	105	9

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: 11056497
Signed: Wes Davis
Report Date: 31 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

