



CONSTRUCTION EQUIPMENT

TUCKER VOLVO EC380E 314427 - SWING DRIVE



Sample No: VCP450934
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER



SAMPLE INFORMATION

Sample Number	VCP450934	VCP422948	VCP410349	VCP359417
Sample Date	18 May 2024	09 Aug 2023	13 Mar 2023	25 Apr 2022
Machine Hours	5148	4011	3403	2240
Oil Hours	0	1000	1500	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	309	253	234	176
Acid Number (AN)	mg KOH/g	---	---	1.15	---

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	10	5	10
Sodium	ppm	0	1	<1	2
Potassium	ppm	0	0	1	0

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.

WEAR METALS

Iron	ppm	52	158	84	290
Copper	ppm	3	8	3	7
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	1
Chromium	ppm	0	2	<1	4
Molybdenum	ppm	<1	1	1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	5
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	168	23	17	122
Magnesium	ppm	10	5	9	2
Zinc	ppm	72	24	44	59
Phosphorus	ppm	1148	1031	800	306
Barium	ppm	0	0	0	0
Boron	ppm	219	174	85	6

Depot: VOLVO0093
Unique No: 11056491
Signed: Wes Davis
Report Date: 31 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

