



CONSTRUCTION EQUIPMENT

24745 VOLVO EC300E 311876 - SWING DRIVE



Sample No: VCP06065980
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 24745



SAMPLE INFORMATION

Sample Number	VCP06065980	VCP416638	VCP383693	VCP373455
Sample Date	05 Jan 2024	20 Jun 2023	13 Dec 2022	30 Aug 2022
Machine Hours	6600	6086	5659	5141
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 140	■ 313	■ 311	■ 255
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 5	■ 3	■ 5	■ 3
Sodium	ppm	■ 0	■ 2	■ <1	■ 0
Potassium	ppm	■ <1	■ 1	■ 0	■ 2

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 25	■ 110	■ 72	■ 161
Copper	ppm	■ 1	■ 5	■ 2	■ 6
Lead	ppm	■ 0	■ 0	■ 0	■ <1
Tin	ppm	■ 0	■ 0	■ <1	0
Aluminum	ppm	■ 2	■ 3	■ 1	<1
Chromium	ppm	■ <1	■ 2	■ <1	2
Molybdenum	ppm	■ 4	■ 3	■ 2	■ 3
Nickel	ppm	■ 0	■ 0	■ 0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 0	■ 2	■ <1	■ 2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 183	■ 166	■ 118	■ 103
Magnesium	ppm	43	34	29	■ 22
Zinc	ppm	■ 106	■ 103	■ 89	■ 94
Phosphorus	ppm	■ 1515	■ 976	■ 949	■ 973
Barium	ppm	■ 0	■ 0	■ 0	■ 2
Boron	ppm	■ 209	■ 202	■ 140	■ 103

Depot: SAIBIR
Unique No: 10842657
Signed: Don Baldrige
Report Date: 23 Jan 2024



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GRAPHS

