



CONSTRUCTION EQUIPMENT

SWO-070672 VOLVO A45G 342095 - DROP BOX



Sample No: VCP444073
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070672



SAMPLE INFORMATION

Sample Number	VCP444073	VCP435403	VCP425095	VCP402792
Sample Date	28 Mar 2024	17 Nov 2023	26 Oct 2023	02 May 2023
Machine Hours	9035	8792	8727	7961
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	SEVERE	SEVERE	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	■ 147	■ 154	● 269	● 272
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 5	■ 22	■ 36	■ 2
Sodium	ppm	■ 1	■ 4	■ 4	■ 0
Potassium	ppm	■ 0	■ 8	■ 16	■ <1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 278	▲ 1189	▲ 2104	■ 19
Copper	ppm	■ 1	■ 5	■ 7	■ 1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ <1	■ 0	■ 0
Aluminum	ppm	■ <1	■ 1	■ 2	■ 0
Chromium	ppm	■ 3	■ 17	▲ 29	■ <1
Molybdenum	ppm	■ 2	■ 5	■ 8	■ 3
Nickel	ppm	■ 2	■ 8	▲ 13	■ 0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ 3	■ 15	■ 27	■ <1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	■ 127	■ 1006	■ 182	■ 167
Magnesium	ppm	■ 10	■ 26	■ 19	■ 42
Zinc	ppm	■ 118	■ 412	■ 94	■ 124
Phosphorus	ppm	■ 990	■ 811	■ 755	■ 1073
Barium	ppm	■ 0	■ 0	■ 5	■ 0
Boron	ppm	■ 68	■ 48	■ 69	■ 155

Depot: SAIBIR
Unique No: 10962637
Signed: Sean Felton
Report Date: 05 Apr 2024



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GRAPHS

