



CONSTRUCTION EQUIPMENT

580547 VOLVO A40G 3525 13 - DROP BOX



Sample No: VCP421224
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 580547



SAMPLE INFORMATION

Sample Number	VCP421224	VCP389379	VCP360247	VCP320484
Sample Date	31 Jul 2023	26 Sep 2022	16 Mar 2022	19 Aug 2021
Machine Hours	5166	3603	2597	1430
Oil Hours	5166	500	2597	1500
Oil Changed	Changed	N/A	Changed	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	69.2	▲ 74.0	48.4	■ 50.3
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CONTAMINATION

Silicon	ppm	■ 14	■ 2	■ 36	■ 35
Sodium	ppm	■ 3	■ 0	■ 8	■ 8
Potassium	ppm	■ <1	■ <1	■ <1	■ <1



WEAR METALS

Iron	ppm	■ 160	■ 44	■ 174	■ 118
Copper	ppm	■ 6	■ <1	■ 18	■ 11
Lead	ppm	■ 0	■ 0	■ <1	■ <1
Tin	ppm	■ 0	■ 0	■ <1	■ <1
Aluminum	ppm	■ <1	■ <1	■ <1	■ 0
Chromium	ppm	■ 2	■ <1	■ 2	■ 2
Molybdenum	ppm	■ 10	■ <1	■ 12	■ 12
Nickel	ppm	■ 1	■ 0	■ 1	■ 1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	■ 3	■ 2	■ 4	■ 3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 71	■ 78	■ 47	■ 94
Magnesium	ppm	■ 5	■ 1	■ 5	■ 6
Zinc	ppm	■ 94	■ 36	■ 112	■ 102
Phosphorus	ppm	1983	■ 1897	■ 2362	■ 2222
Barium	ppm	■ 1	■ 0	■ 0	■ <1
Boron	ppm	■ 88	■ 238	■ 91	■ 75

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: RIPTAM
Unique No: 10602495
Signed: Sean Felton
Report Date: 14 Aug 2023



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GRAPHS

