



CONSTRUCTION EQUIPMENT

SWA288432 VOLVO A45G 352411 - DROP BOX



Sample No: VCP427061
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA288432



SAMPLE INFORMATION

Sample Number	VCP427061	VCP377158	VCP317686	---
Sample Date	19 Jun 2023	30 Apr 2022	17 Jul 2021	---
Machine Hours	5591	3478	2213	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

ORANGE COUNTY SOLID WASTE
 5901 YOUNG PINE ROAD
 ORLANDO, FL
 US 32829
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OIL CONDITION

Visc @ 40°C	cSt	▲ 59.7	▲ 45.3	▲ 46.9	---
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CONTAMINATION

Silicon	ppm	■ 41	▲ 51	▲ 55	---
Sodium	ppm	■ 7	■ 10	■ 10	---
Potassium	ppm	■ 6	■ 7	■ 7	---



WEAR METALS

Iron	ppm	▲ 955	▲ 812	■ 160	---
Copper	ppm	■ 13	■ 17	■ 15	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ 0	■ <1	■ <1	---
Aluminum	ppm	■ <1	■ 2	■ 0	---
Chromium	ppm	■ 7	■ 6	■ 2	---
Molybdenum	ppm	■ 6	■ 5	4	---
Nickel	ppm	■ 3	■ 3	■ <1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	■ 15	■ 16	6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 66	■ 63	56	---
Magnesium	ppm	■ 7	■ 5	6	---
Zinc	ppm	■ 194	■ 233	199	---
Phosphorus	ppm	1713	2101	2123	---
Barium	ppm	■ 0	■ 0	0	---
Boron	ppm	■ 65	■ 108	155	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: ORAORL
Unique No: 10536417
Signed: Don Baldrige
Report Date: 02 Jul 2023



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GRAPHS

