



CONSTRUCTION EQUIPMENT

PHILLIPS & JORDAN VOLVO A45G 342111 - DROP BOX



Sample No: VCP415947
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: PHILLIPS & JORDAN



SAMPLE INFORMATION

Sample Number	VCP415947	VCP397498	---	---
Sample Date	31 Aug 2023	19 Jan 2023	---	---
Machine Hours	6858	6131	---	---
Oil Hours	0	2600	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	236	292	---	---
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CONTAMINATION

Silicon	ppm	45	3	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	3	<1	---	---



WEAR METALS

Iron	ppm	1268	79	---	---
Copper	ppm	5	1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	1	0	---	---
Aluminum	ppm	13	0	---	---
Chromium	ppm	19	1	---	---
Molybdenum	ppm	31	4	---	---
Nickel	ppm	11	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	17	2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	281	82	---	---
Magnesium	ppm	162	18	---	---
Zinc	ppm	279	55	---	---
Phosphorus	ppm	952	890	---	---
Barium	ppm	0	0	---	---
Boron	ppm	142	185	---	---

Diagnosis

The oil change at the time of sampling has been noted. The iron level is severe. Gear wear is indicated. High wear metal levels reflect the reported failure. There is no indication of any contamination in the oil.

Depot: VOLVO0093
Unique No: 10631614
Signed: Don Baldrige
Report Date: 06 Sep 2023



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GRAPHS

