



CONSTRUCTION EQUIPMENT

606491 VOLVO 220 315389 - FRONT LEFT FINAL DRIVE



Sample No: VCP412211
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 606491



SAMPLE INFORMATION

Sample Number	VCP412211	VCP412218	---	---
Sample Date	08 Sep 2023	08 Sep 2023	---	---
Machine Hours	1133	1133	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	174	176	---	---
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CONTAMINATION

Silicon	ppm	51	33	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	10	12	---	---



WEAR METALS

Iron	ppm	594	665	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	8	10	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	9	10	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	42	8	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	27	19	---	---
Phosphorus	ppm	251	283	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	3	---	---

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. NOTE: one of two samples received with same ID and sampling date. Gear wear is indicated. All other 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: VOLVO0096
Unique No: 10646474
Signed: Don Baldrige
Report Date: 18 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

