



CONSTRUCTION EQUIPMENT

487803 VOLVO 480 315 167 - RIGHT FINAL DRIVE



Sample No: VCP455363
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 487803



SAMPLE INFORMATION

Sample Number	VCP455363	VCP428732	---	---
Sample Date	16 Feb 2024	19 Dec 2023	---	---
Machine Hours	2238	1494	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	153	156	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	43	25	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	2	0	---	---

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	716	735	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	12	12	---	---
Molybdenum	ppm	1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	8	9	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	37	20	---	---
Magnesium	ppm	2	4	---	---
Zinc	ppm	13	16	---	---
Phosphorus	ppm	249	275	---	---
Barium	ppm	2	0	---	---
Boron	ppm	0	2	---	---

Depot: VOLVO0096
Unique No: 10888745
Signed: Sean Felton
Report Date: 23 Feb 2024



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GRAPHS

