



CONSTRUCTION EQUIPMENT

703566 VOLVO EC220 3 10686 - REAR RIGHT FINAL DRIVE



Sample No: VCP449529
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 703566



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SAMPLE INFORMATION

Sample Number	VCP449529	VCP449526	---	---
Sample Date	30 Apr 2024	30 Apr 2024	---	---
Machine Hours	643	643	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

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

Water	%	NEG	NEG	---	---
Silicon	ppm	16	45	---	---
Sodium	ppm	5	1	---	---
Potassium	ppm	2	6	---	---



WEAR METALS

Iron	ppm	51	426	---	---
Copper	ppm	7	7	---	---
Lead	ppm	1	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	5	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	6	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	3095	99	---	---
Magnesium	ppm	18	2	---	---
Zinc	ppm	1330	43	---	---
Phosphorus	ppm	1195	463	---	---
Barium	ppm	0	0	---	---
Boron	ppm	123	24	---	---

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0096
Unique No: 11009485
Signed: Don Baldrige
Report Date: 07 May 2024



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GRAPHS

