



CONSTRUCTION EQUIPMENT

711702 GREGCO VOLVO L959FSDL 640022 - FRONT AXLE



Sample No: VCP449551
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 711702 GREGCO



SAMPLE INFORMATION

Sample Number	VCP449551	VCP429266	VCP313593	---
Sample Date	16 Apr 2024	10 Oct 2023	20 Oct 2021	---
Machine Hours	5226	3951	1550	---
Oil Hours	500	1000	1500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	311	319	136	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	4	4	---
Sodium	ppm	0	3	5	---
Potassium	ppm	2	3	2	---

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



WEAR METALS

Iron	ppm	60	152	272	---
Copper	ppm	4	6	31	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	2	<1	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	2	4	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	51	65	92	---
Magnesium	ppm	14	8	1	---
Zinc	ppm	49	54	46	---
Phosphorus	ppm	1017	1104	893	---
Barium	ppm	0	0	1	---
Boron	ppm	122	128	121	---

Depot: VOLVO0093
Unique No: 11036609
Signed: Wes Davis
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

