



CONSTRUCTION EQUIPMENT

3025 VOLVO EC460CL 110315 - FRONT LEFT FINAL DRIVE



Sample No: VCP396643
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3025



SAMPLE INFORMATION

Sample Number	VCP396643	VCP398131	VCP396666	---
Sample Date	20 Feb 2024	06 Oct 2023	23 May 2023	---
Machine Hours	11690	11370	11000	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
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OIL CONDITION

Visc @ 40°C	cSt	143	145	142	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	57	50	36	---
Sodium	ppm	13	3	1	---
Potassium	ppm	4	5	4	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. 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	636	307	254	---
Copper	ppm	32	25	20	---
Lead	ppm	29	26	14	---
Tin	ppm	1	2	1	---
Aluminum	ppm	9	8	6	---
Chromium	ppm	7	3	2	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	1	1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	3	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	31	229	45	---
Magnesium	ppm	6	7	6	---
Zinc	ppm	14	105	20	---
Phosphorus	ppm	2116	1345	1245	---
Barium	ppm	0	11	0	---
Boron	ppm	84	75	95	---

Depot: LEOMAD
Unique No: 10940908
Signed: Don Baldrige
Report Date: 26 Mar 2024



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GRAPHS

