



CONSTRUCTION EQUIPMENT

2007 VOLVO L90G 3117 - FRONT AXLE



Sample No: VCP434269
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 2007



SAMPLE INFORMATION

Sample Number	VCP434269	VCE173734	---	---
Sample Date	18 Jun 2024	24 Mar 2015	---	---
Machine Hours	13585	3500	---	---
Oil Hours	0	3500	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
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OIL CONDITION

Visc @ 40°C	cSt	41.5	40.57	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	16	16	---	---
Sodium	ppm	8	3	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



WEAR METALS

Iron	ppm	72	134	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	1	5	---	---
Molybdenum	ppm	2	5	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	8	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	3958	4164	---	---
Magnesium	ppm	21	10	---	---
Zinc	ppm	1564	1691	---	---
Phosphorus	ppm	1261	1453	---	---
Barium	ppm	0	0	---	---
Boron	ppm	119	120	---	---

Depot: LEOMAD
Unique No: 11099787
Signed: Jonathan Hester
Report Date: 28 Jun 2024



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GRAPHS

