



CONSTRUCTION EQUIPMENT

SPM593821 VOLVO L90E 67647 - DIESEL ENGINE



Sample No: VCP415253
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM593821



SAMPLE INFORMATION

Sample Number	VCP415253	VCP388725	VCP374570	---
Sample Date	25 Aug 2023	14 Dec 2022	01 Jun 2022	---
Machine Hours	39190	38982	38327	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

VICTORY AUTO WRECKERS
 710 EAST GREEN STREET
 BENSENVILLE, IL
 US 60196
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	14.1	13.8	13.7	---
Base Number (BN)	mg KOH/g	9.4	9.2	9.3	---
Oxidation (PA)	%	71	86	82	---

T: (630)860-2000
 F:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Soot %	%	0.8	0.8	0.5	---
Nitration (PA)	%	78	81	71	---
Sulfation (PA)	%	60	66	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	6	8	---
Sodium	ppm	3	2	2	---
Potassium	ppm	2	<1	0	---

WEAR METALS

Iron	ppm	18	23	18	---
Copper	ppm	3	2	1	---
Lead	ppm	3	5	3	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	61	56	84	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	1328	1432	1514	---
Magnesium	ppm	1006	784	537	---
Zinc	ppm	1401	1160	996	---
Phosphorus	ppm	1091	892	816	---
Barium	ppm	0	0	0	---
Boron	ppm	14	33	254	---

Depot: VICBEN
Unique No: 10632432
Signed: Wes Davis
Report Date: 05 Sep 2023



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GRAPHS

