



CONSTRUCTION EQUIPMENT

SPM893786 VOLVO L90E 71154 - DIESEL ENGINE



Sample No: VCP425001
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM893786



SAMPLE INFORMATION

Sample Number	VCP425001	VCP404266	VCP377698	---
Sample Date	22 Aug 2023	13 Dec 2022	25 May 2022	---
Machine Hours	18110	16784	15652	---
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	12.9	12.8	12.9	---
Base Number (BN)	mg KOH/g	6.1	5.9	6.3	---
Oxidation (PA)	%	95	112	119	---

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 %	%	1	0.7	1.1	---
Nitration (PA)	%	108	100	113	---
Sulfation (PA)	%	69	72	72	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	3	4	---
Sodium	ppm	2	1	2	---
Potassium	ppm	<1	<1	2	---

WEAR METALS

Iron	ppm	35	21	24	---
Copper	ppm	2	1	1	---
Lead	ppm	<1	7	4	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	3	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	57	51	39	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	1109	1182	1687	---
Magnesium	ppm	930	778	507	---
Zinc	ppm	1194	1077	957	---
Phosphorus	ppm	958	824	775	---
Barium	ppm	0	0	0	---
Boron	ppm	3	13	41	---

Depot: VICBEN
Unique No: 10615927
Signed: Wes Davis
Report Date: 22 Aug 2023



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GRAPHS

