



CONSTRUCTION EQUIPMENT

SPM619790 VOLVO L90H 626515 - DIESEL ENGINE



Sample No: VCP415094
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM619790



SAMPLE INFORMATION

Sample Number	VCP415094	VCP423398	VCP395831	---
Sample Date	19 Oct 2023	07 Jun 2023	06 Feb 2023	---
Machine Hours	1804	527	527	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

IAA - INSURANCE AUTO AUCTIONS - AURORA
 280 E SULLIVAN
 AURORA, IL
 US 60505
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	15.0	14.9	13.0	---
Base Number (BN)	mg KOH/g	9.8	8.9	10.7	---
Oxidation (PA)	%	57	70	76	---

T:
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 %	%	0.2	0.7	0.5	---
Nitration (PA)	%	48	69	59	---
Sulfation (PA)	%	51	57	61	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	8	15	---
Sodium	ppm	4	2	4	---
Potassium	ppm	2	2	0	---

WEAR METALS

Iron	ppm	7	30	33	---
Copper	ppm	<1	3	8	---
Lead	ppm	0	<1	2	---
Tin	ppm	<1	3	4	---
Aluminum	ppm	4	13	52	---
Chromium	ppm	<1	3	6	---
Molybdenum	ppm	53	60	42	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	1	4	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	953	1161	1603	---
Magnesium	ppm	900	958	594	---
Zinc	ppm	1139	1342	1166	---
Phosphorus	ppm	950	1074	944	---
Barium	ppm	0	0	1	---
Boron	ppm	0	5	55	---

Depot: INSAUR
Unique No: 10712797
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

