



CONSTRUCTION EQUIPMENT

SPM580809 VOLVO L90H 625014 - DIESEL ENGINE



Sample No: VCP422999
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM580809



SAMPLE INFORMATION

Sample Number	VCP422999	VCP401398	VCP285750	---
Sample Date	21 Jul 2023	03 Mar 2023	20 Aug 2020	---
Machine Hours	4873	4516	1502	---
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	14.1	13.7	14.0	---
Base Number (BN)	mg KOH/g	9.3	10.4	---	---
Oxidation (PA)	%	67	87	61	---

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 %	%	0.5	0.7	0.4	---
Nitration (PA)	%	67	80	65	---
Sulfation (PA)	%	55	63	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	3	9	5	---
Sodium	ppm	0	2	2	---
Potassium	ppm	1	0	<1	---

WEAR METALS

Iron	ppm	11	16	15	---
Copper	ppm	1	1	1	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	3	0	---
Chromium	ppm	<1	1	2	---
Molybdenum	ppm	59	45	63	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	1	<1	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	1330	1662	1074	---
Magnesium	ppm	783	533	973	---
Zinc	ppm	1257	1212	1247	---
Phosphorus	ppm	1059	945	1042	---
Barium	ppm	2	0	<1	---
Boron	ppm	9	28	4	---

Depot: INSAUR
Unique No: 10586139
Signed: Wes Davis
Report Date: 03 Aug 2023



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GRAPHS

