



CONSTRUCTION EQUIPMENT

S50401529 VOLVO L90H 625515 - DIESEL ENGINE



Sample No: VCP414899
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: S50401529



SAMPLE INFORMATION

Sample Number	VCP414899	VCP400402	VCP371247	---
Sample Date	05 Sep 2023	27 Feb 2023	29 Nov 2022	---
Machine Hours	5000	4000	3517	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



IAA - INSURANCE AUTO AUCTIONS - FONTANA
 13901 SAN BERNARDINO AVE
 FONTANA, CA
 US 92335
 Contact:



OIL CONDITION

Visc @ 100°C	cSt	13.3	12.7	13.7	---
Base Number (BN)	mg KOH/g	10.5	10.4	11.5	---
Oxidation (PA)	%	82	81	91	---

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	0.3	0.6	---
Nitration (PA)	%	58	53	68	---
Sulfation (PA)	%	62	63	70	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	7	5	5	---
Sodium	ppm	4	2	2	---
Potassium	ppm	3	0	0	---



WEAR METALS

Iron	ppm	8	5	8	---
Copper	ppm	3	<1	<1	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	3	2	3	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	116	38	41	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1688	1633	1686	---
Magnesium	ppm	703	472	529	---
Zinc	ppm	906	1046	1229	---
Phosphorus	ppm	734	843	955	---
Barium	ppm	0	0	0	---
Boron	ppm	329	45	31	---

Depot: INSFON
Unique No: 10670490
Signed: Wes Davis
Report Date: 29 Sep 2023



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GRAPHS

