



CONSTRUCTION EQUIPMENT

VOLVO L90H 625555 - DIESEL ENGINE



Sample No: VCP408315
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP408315	VCP396085	---	---
Sample Date	22 Jun 2023	17 Jan 2023	---	---
Machine Hours	2495	1916	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

IAA - INSURANCE AUTO AUCTIONS - SUFFOLK
 1389 PORTSMOUTH BLVD
 SUFFOLK, VA
 US 23434
 Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	13.4	14.2	---	---
Base Number (BN)	mg KOH/g	10.3	8.8	---	---
Oxidation (PA)	%	84	64	---	---

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 %	%	0.7	0.6	---	---
Nitration (PA)	%	78	76	---	---
Sulfation (PA)	%	64	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	6	---	---
Sodium	ppm	3	0	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	17	24	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	1	---	---
Aluminum	ppm	4	8	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	47	56	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1755	1142	---	---
Magnesium	ppm	664	873	---	---
Zinc	ppm	1259	1210	---	---
Phosphorus	ppm	1015	963	---	---
Barium	ppm	0	0	---	---
Boron	ppm	26	2	---	---

Depot: IAASUF
Unique No: 10536787
Signed: Wes Davis
Report Date: 02 Jul 2023



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GRAPHS

