



CONSTRUCTION EQUIPMENT

VOLVO L90H 627143 - DIESEL ENGINE



Sample No: VCP439336
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP439336	VCP425197	---	---
Sample Date	07 May 2024	27 Feb 2024	---	---
Machine Hours	1910	610	---	---
Oil Hours	0	610	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

IAA - INSURANCE AUTO AUCTIONS - NASHVILLE
 3896 STEWARTS LN
 NASHVILLE, TN
 US 37218
 Contact: KODY



OIL CONDITION

Visc @ 100°C	cSt	13.0	12.7	---	---
Base Number (BN)	mg KOH/g	10.4	9.5	---	---
Oxidation (PA)	%	81	78	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	0.4	0.5	---	---
Nitration (PA)	%	61	66	---	---
Sulfation (PA)	%	61	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	17	---	---
Sodium	ppm	1	5	---	---
Potassium	ppm	1	2	---	---



WEAR METALS

Iron	ppm	20	41	---	---
Copper	ppm	2	8	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	2	4	---	---
Aluminum	ppm	6	24	---	---
Chromium	ppm	2	4	---	---
Molybdenum	ppm	44	42	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1793	1541	---	---
Magnesium	ppm	538	608	---	---
Zinc	ppm	1133	1188	---	---
Phosphorus	ppm	910	1009	---	---
Barium	ppm	0	2	---	---
Boron	ppm	39	36	---	---

Depot: INSNAS
Unique No: 11018542
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

