



CONSTRUCTION EQUIPMENT

39597 VOLVO L90H 626409 - DIESEL ENGINE



Sample No: VCP411540
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 39597



215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
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SAMPLE INFORMATION

Sample Number	VCP411540	VCP368322	---	---
Sample Date	28 Jun 2023	12 Dec 2022	---	---
Machine Hours	1623	565	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	13.2	13.3	---	---
Base Number (BN)	mg KOH/g	9.5	11.5	---	---
Oxidation (PA)	%	91	83	---	---



CONTAMINATION

Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	73	52	---	---
Sulfation (PA)	%	63	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	10	---	---
Sodium	ppm	4	<1	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	19	15	---	---
Copper	ppm	3	6	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	2	1	---	---
Aluminum	ppm	8	26	---	---
Chromium	ppm	3	3	---	---
Molybdenum	ppm	41	39	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1850	1591	---	---
Magnesium	ppm	533	477	---	---
Zinc	ppm	1178	1055	---	---
Phosphorus	ppm	938	875	---	---
Barium	ppm	2	0	---	---
Boron	ppm	24	54	---	---

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.

Depot: VOLVO0013
Unique No: 10546810
Signed: Wes Davis
Report Date: 06 Jul 2023



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GRAPHS

