



CONSTRUCTION EQUIPMENT

HER RENTALS VOLVO L110H 632557 - DIESEL ENGINE



Sample No: VCP439678
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: HER RENTALS



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SAMPLE INFORMATION

Sample Number	VCP439678	VCP432040	VCP428845	---
Sample Date	09 Jul 2024	28 Dec 2023	06 Dec 2023	---
Machine Hours	2420	1206	1101	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	13.3	13.2	12.8	---
Base Number (BN)	mg KOH/g	9.2	10.0	8.2	---
Oxidation (PA)	%	80	69	62	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.1	0.2	---
Nitration (PA)	%	70	43	58	---
Sulfation (PA)	%	59	57	57	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	11	4	6	---
Sodium	ppm	2	1	1	---
Potassium	ppm	2	<1	1	---



WEAR METALS

Iron	ppm	30	1	11	---
Copper	ppm	10	1	6	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	3	0	1	---
Aluminum	ppm	10	2	11	---
Chromium	ppm	2	0	<1	---
Molybdenum	ppm	44	43	72	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1740	1500	1349	---
Magnesium	ppm	557	513	448	---
Zinc	ppm	1263	1140	1222	---
Phosphorus	ppm	1011	879	924	---
Barium	ppm	0	0	<1	---
Boron	ppm	21	86	281	---

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: VOLVO0093
Unique No: 11123249
Signed: Don Baldrige
Report Date: 14 Jul 2024



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GRAPHS

