



CONSTRUCTION EQUIPMENT

VOLVO L110H 631934 - DIESEL ENGINE



Sample No: VCP424010
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP424010	VCP368473	---	---
Sample Date	06 Oct 2023	22 Dec 2022	---	---
Machine Hours	1502	1075	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
 Contact: CHARLES WHITTAKER
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 T: (845)399-2686
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.0	---	---
Base Number (BN)	mg KOH/g	9.8	9.7	---	---
Oxidation (PA)	%	80	81	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	62	67	---	---
Sulfation (PA)	%	60	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	6	8	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	20	22	---	---
Copper	ppm	4	7	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	1	2	---	---
Aluminum	ppm	11	▲ 21	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	39	41	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	1	<1	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1631	1746	---	---
Magnesium	ppm	489	534	---	---
Zinc	ppm	1063	1125	---	---
Phosphorus	ppm	913	932	---	---
Barium	ppm	4	0	---	---
Boron	ppm	50	48	---	---

Depot: ULSKIN
Unique No: 10697408
Signed: Don Baldrige
Report Date: 18 Oct 2023



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GRAPHS

