



CONSTRUCTION EQUIPMENT

386346 VOLVO L110H 632619 - DIESEL ENGINE



Sample No: VCP392111
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 386346



SAMPLE INFORMATION

Sample Number	VCP392111	VCP391670	---	---
Sample Date	30 Nov 2023	20 Sep 2023	---	---
Machine Hours	1058	643	---	---
Oil Hours	0	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT (CE)

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 lwilliams@strongco.com
 T:
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.0	---	---
Oxidation (PA)	%	81	73	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	50	53	---	---
Sulfation (PA)	%	63	59	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	11	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	0	2	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	10	19	---	---
Copper	ppm	6	15	---	---
Lead	ppm	2	4	---	---
Tin	ppm	1	3	---	---
Aluminum	ppm	5	16	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	39	38	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	1	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1593	1485	---	---
Magnesium	ppm	501	589	---	---
Zinc	ppm	1057	1061	---	---
Phosphorus	ppm	907	908	---	---
Barium	ppm	2	7	---	---
Boron	ppm	41	40	---	---

Depot: VOLVO0252
Unique No: 5693995
Signed: Wes Davis
Report Date: 05 Dec 2023



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GRAPHS

