



CONSTRUCTION EQUIPMENT

TRIPLE M 800038582 VOLVO EC480E 315055 - DIESEL ENGINE



Sample No: VCP392496
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 800038582



SAMPLE INFORMATION

Sample Number	VCP392496	VCP380148	VCP391690	---
Sample Date	23 Nov 2023	05 Sep 2023	21 Jul 2023	---
Machine Hours	1705	982	664	---
Oil Hours	0	500	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	12.2	11.9	10.4	---
Oxidation (PA)	%	89	82	75	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0	0	---
Nitration (PA)	%	68	58	83	---
Sulfation (PA)	%	65	64	62	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	1.1	0.9	0.9	---
Silicon	ppm	6	7	29	---
Sodium	ppm	2	2	4	---
Potassium	ppm	0	<1	4	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	10	6	15	---
Copper	ppm	23	111	203	---
Lead	ppm	2	3	6	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	2	1	3	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	42	43	84	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1669	1732	2089	---
Magnesium	ppm	542	476	124	---
Zinc	ppm	1080	1071	1162	---
Phosphorus	ppm	880	973	1048	---
Barium	ppm	<1	0	<1	---
Boron	ppm	21	32	18	---

Depot: VOLVO0252
Unique No: 5684053
Signed: Wes Davis
Report Date: 28 Nov 2023



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GRAPHS

