



# CONSTRUCTION EQUIPMENT

## TRIPLE M 370307 VOLVO EC700C 110606 - DIESEL ENGINE



**Sample No:** VCP394689  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 370307



### SAMPLE INFORMATION

Sample Number	<b>VCP394689</b>	VCP297981	VCP275318	VCP273179
Sample Date	<b>11 Jul 2023</b>	29 Sep 2021	01 Mar 2021	10 Sep 2020
Machine Hours	<b>25708</b>	21349	19663	17699
Oil Hours	<b>2000</b>	0	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT (CE)

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	13.0	13.4	13.9
Oxidation (PA)	%	<b>91</b>	86	88	69



### CONTAMINATION

Soot %	%	<b>0.1</b>	0.3	0.3	0.1
Nitration (PA)	%	<b>68</b>	70	81	61
Sulfation (PA)	%	<b>66</b>	68	64	57
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>1.7</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	4	3
Sodium	ppm	<b>2</b>	2	2	1
Potassium	ppm	<b>0</b>	<1	<1	<1

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. 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	<b>8</b>	20	30	9
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>&lt;1</b>	2	3	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>1</b>	1	2	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>42</b>	42	50	40
Nickel	ppm	<b>0</b>	<1	1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1576</b>	1547	1372	1404
Magnesium	ppm	<b>572</b>	588	758	701
Zinc	ppm	<b>1087</b>	1121	1252	1143
Phosphorus	ppm	<b>977</b>	975	967	961
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>29</b>	24	20	9

**Depot:** VOLVO0252  
**Unique No:** 5616450  
**Signed:** Wes Davis  
**Report Date:** 21 Jul 2023



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## GRAPHS

