



# CONSTRUCTION EQUIPMENT

## TRIPLE M METAL 393775 VOLVO EC700C 110604 - DIESEL ENGINE



**Sample No:** VCP450385  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 393775



### SAMPLE INFORMATION

Sample Number	<b>VCP450385</b>	VCP394837	VCP275343	VCP260376
Sample Date	<b>06 Feb 2024</b>	13 Oct 2023	18 Feb 2021	29 Jul 2020
Machine Hours	<b>10526</b>	10016	7448	7047
Oil Hours	<b>0</b>	2000	500	500
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT (CE)

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### OIL CONDITION

Visc @ 40°C	cSt	---	---	■ 91.5	---
Visc @ 100°C	cSt	■ 12.2	■ 12.2	■ 12.4	■ 12.3
Viscosity Index (VI)	Scale	---	---	■ 130	---
Oxidation (PA)	%	<b>82</b>	81	77	78

### 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.



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	■ 0	■ 0.1	■ 0	■ 0
Nitration (PA)	%	<b>48</b>	53	47	48
Sulfation (PA)	%	<b>63</b>	62	61	61
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	■ 1.1
Silicon	ppm	■ 3	■ 4	■ 5	■ 4
Sodium	ppm	■ 2	■ 2	■ 2	■ 2
Potassium	ppm	■ <1	■ 0	■ <1	■ 1



### WEAR METALS

Iron	ppm	■ 4	■ 6	■ 3	■ 3
Copper	ppm	■ <1	■ <1	■ <1	■ 1
Lead	ppm	■ 0	■ <1	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ <1
Aluminum	ppm	■ 1	■ 1	■ <1	■ 1
Chromium	ppm	■ 0	■ 0	■ <1	■ 0
Molybdenum	ppm	■ 41	■ 41	■ 41	■ 40
Nickel	ppm	■ 0	■ <1	■ <1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	■ 0	■ <1	<1	0
Manganese	ppm	■ 0	■ 0	■ <1	■ <1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	■ 1726	■ 1676	■ 1534	■ 1548
Magnesium	ppm	■ 513	■ 504	■ 533	■ 546
Zinc	ppm	■ 1058	■ 1060	■ 1109	■ 1108
Phosphorus	ppm	■ 941	■ 910	■ 912	■ 981
Barium	ppm	■ 0	■ <1	■ 0	■ 0
Boron	ppm	■ 53	■ 48	■ 43	■ 48

**Depot:** VOLVO0252  
**Unique No:** 5723987  
**Signed:** Wes Davis  
**Report Date:** 12 Feb 2024



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## GRAPHS

