



# CONSTRUCTION EQUIPMENT

## TRIPLE M METAL 396706 VOLVO EC380E 314843 - DIESEL ENGINE



**Sample No:** VCP393049  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 396706



### SAMPLE INFORMATION

Sample Number	<b>VCP393049</b>	VCP391994	VCP392130	VCP394982
Sample Date	<b>11 Mar 2024</b>	24 Jan 2024	23 Nov 2023	17 Jul 2023
Machine Hours	<b>4800</b>	4061	3751	2990
Oil Hours	<b>500</b>	0	0	1000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### STRONGCO EQUIPMENT (CE)

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	12.1	12.4	12.6
Oxidation (PA)	%	<b>79</b>	84	86	83



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0</b>	0	0	0
Nitration (PA)	%	<b>64</b>	57	69	63
Sulfation (PA)	%	<b>60</b>	63	62	63
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	2.1	<1.0	1.5
Silicon	ppm	<b>3</b>	3	5	4
Sodium	ppm	<b>2</b>	2	3	2
Potassium	ppm	<b>1</b>	<1	0	0

### 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	<b>5</b>	4	8	7
Copper	ppm	<b>1</b>	1	3	7
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	2	2	2
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>44</b>	41	45	43
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>&lt;1</b>	0	<1	2
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>1519</b>	1662	1489	1510
Magnesium	ppm	<b>636</b>	517	636	614
Zinc	ppm	<b>1099</b>	1043	1094	1091
Phosphorus	ppm	<b>960</b>	910	917	976
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>23</b>	51	18	25

**Depot:** VOLVO0252  
**Unique No:** 5746526  
**Signed:** Wes Davis  
**Report Date:** 12 Mar 2024



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## VOLVO GRAPHS

