



# CONSTRUCTION EQUIPMENT

JMX 8-388455 VOLVO EC480E 314570 - DIESEL ENGINE



**Sample No:** VCP393115  
**Oil Type:** DIESEL ENGINE OIL SAE 30  
**Job No:** 8-388455



## SAMPLE INFORMATION

Sample Number	<b>VCP393115</b>	VCP391950	VCP352031	VCP352186
Sample Date	<b>15 Dec 2023</b>	25 May 2023	04 Nov 2022	25 Jul 2022
Machine Hours	<b>3534</b>	2906	2020	1560
Oil Hours	<b>0</b>	0	2000	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
 MISSISSAUGA, ON  
 CA L4W 4L4

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.5</b>	11.9	12.2	12.4
Oxidation (PA)	%	<b>93</b>	86	87	35



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0</b>	0	0	0
Nitration (PA)	%	<b>78</b>	69	69	35
Sulfation (PA)	%	<b>65</b>	64	66	41
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>7</b>	7	5	6
Sodium	ppm	<b>2</b>	2	2	3
Potassium	ppm	<b>0</b>	0	0	<1



## WEAR METALS

Iron	ppm	<b>8</b>	7	6	7
Copper	ppm	<b>4</b>	4	34	110
Lead	ppm	<b>&lt;1</b>	<1	1	3
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>1</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>43</b>	41	44	39
Nickel	ppm	<b>6</b>	3	<1	1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1742</b>	1809	1728	1714
Magnesium	ppm	<b>523</b>	519	514	487
Zinc	ppm	<b>1124</b>	1079	1106	1093
Phosphorus	ppm	<b>927</b>	982	970	923
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>22</b>	33	22	22

### 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.

**Depot:** SHEMIS  
**Unique No:** 5696847  
**Signed:** Wes Davis  
**Report Date:** 18 Dec 2023



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## GRAPHS

