



CONSTRUCTION EQUIPMENT

TRIPLE M 392282 VOLVO EC480E 315055 - DIESEL ENGINE



Sample No: VCP450285
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 392282



SAMPLE INFORMATION

Sample Number	VCP450285	VCP392496	VCP380148	VCP391690
Sample Date	25 Jan 2024	23 Nov 2023	05 Sep 2023	21 Jul 2023
Machine Hours	2066	1705	982	664
Oil Hours	0	0	500	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1
 Contact: C. Carter
 ccarter@strongco.com
 T:
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.2	12.2	11.9	10.4
Oxidation (PA)	%	86	89	82	75



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	61	68	58	83
Sulfation (PA)	%	65	65	64	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.1	0.9	0.9
Silicon	ppm	8	6	7	29
Sodium	ppm	2	2	2	4
Potassium	ppm	<1	0	<1	4

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	7	10	6	15
Copper	ppm	10	23	111	203
Lead	ppm	<1	2	3	6
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	2	2	1	3
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	43	42	43	84
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1711	1669	1732	2089
Magnesium	ppm	528	542	476	124
Zinc	ppm	1072	1080	1071	1162
Phosphorus	ppm	931	880	973	1048
Barium	ppm	0	<1	0	<1
Boron	ppm	43	21	32	18

Depot: VOLVO0252
Unique No: 5720867
Signed: Wes Davis
Report Date: 30 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

