



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 8000385845 VOLVO EC700C 110606 - DIESEL ENGINE



Sample No: VCP392499
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8000385845



SAMPLE INFORMATION

Sample Number	VCP392499	VCP429991	VCP394689	VCP297981
Sample Date	23 Nov 2023	02 Oct 2023	11 Jul 2023	29 Sep 2021
Machine Hours	613	26833	25708	21349
Oil Hours	0	1000	2000	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1

Contact: Sue Hooton
 shooton@strongco.com
 T: (905)331-3835
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.6	12.6	13.0
Oxidation (PA)	%	90	82	91	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.2	0.1	0.3
Nitration (PA)	%	65	70	68	70
Sulfation (PA)	%	66	61	66	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.7	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	2	2	2	2
Potassium	ppm	0	0	0	<1

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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	9	13	8	20
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	2	<1	2
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	1	1	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	45	49	42	42
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1600	1319	1576	1547
Magnesium	ppm	598	724	572	588
Zinc	ppm	1096	1136	1087	1121
Phosphorus	ppm	914	925	977	975
Barium	ppm	0	<1	0	0
Boron	ppm	32	13	29	24

Depot: VOLVO0252
Unique No: 5684039
Signed: Wes Davis
Report Date: 27 Nov 2023



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GRAPHS

