



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 390107 VOLVO EC700C 110606 - DIESEL ENGINE



Sample No: VCP394175
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 390107



SAMPLE INFORMATION

Sample Number	VCP394175	VCP392499	VCP429991	VCP394689
Sample Date	08 Jan 2024	23 Nov 2023	02 Oct 2023	11 Jul 2023
Machine Hours	28630	613	26833	25708
Oil Hours	0	0	1000	2000
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: Sue Hooton
 shooton@strongco.com
 T: (905)331-3835
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.8	12.6	12.6	12.6
Oxidation (PA)	%	84	90	82	91



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	62	65	70	68
Sulfation (PA)	%	63	66	61	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	1.7
Silicon	ppm	3	3	3	4
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	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	7	9	13	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	2	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	1	1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	43	45	49	42
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1612	1600	1319	1576
Magnesium	ppm	569	598	724	572
Zinc	ppm	1080	1096	1136	1087
Phosphorus	ppm	916	914	925	977
Barium	ppm	0	0	<1	0
Boron	ppm	37	32	13	29

Depot: VOLVO0252
Unique No: 5708784
Signed: Wes Davis
Report Date: 10 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

