



CONSTRUCTION EQUIPMENT

TRIPLE M METAL LP 396709 VOLVO EC380E 3 10885 - DIESEL ENGINE



Sample No: VCP450398
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 396709



SAMPLE INFORMATION

Sample Number	VCP450398	VCP394170	VCP394838	VCP335015
Sample Date	08 Mar 2024	09 Jan 2024	03 Oct 2023	31 Dec 2021
Machine Hours	12206	11915	11311	9894
Oil Hours	0	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.3	12.4	12.7
Oxidation (PA)	%	81	85	78	94

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	55	66	72	87
Sulfation (PA)	%	61	62	61	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	1.7	<1.0	1.3	0.6
Silicon	ppm	3	4	4	4
Sodium	ppm	2	2	3	3
Potassium	ppm	<1	<1	<1	2

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	6	11	8	10
Copper	ppm	<1	<1	1	1
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	1	1	3
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	39	41	34	43
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1683	1626	1510	1643
Magnesium	ppm	503	537	626	488
Zinc	ppm	1063	1089	1135	1106
Phosphorus	ppm	940	944	964	957
Barium	ppm	0	0	<1	0
Boron	ppm	49	34	24	27

Depot: VOLVO0252
Unique No: 5746529
Signed: Wes Davis
Report Date: 13 Mar 2024



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VOLVO GRAPHS

