



CONSTRUCTION EQUIPMENT

TRIPLE M METAL LP 390114 VOLVO EC380E 310885 - DIESEL ENGINE



Sample No: VCP394170
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 390114



SAMPLE INFORMATION

Sample Number	VCP394170	VCP394838	VCP335015	VCP275263
Sample Date	09 Jan 2024	03 Oct 2023	31 Dec 2021	22 Jan 2021
Machine Hours	11915	11311	9894	6763
Oil Hours	0	500	0	500
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	12.3	12.4	12.7	12.2
Oxidation (PA)	%	85	78	94	87



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0
Nitration (PA)	%	66	72	87	66
Sulfation (PA)	%	62	61	65	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	1.3	0.6	<1.0
Silicon	ppm	4	4	4	6
Sodium	ppm	2	3	3	2
Potassium	ppm	<1	<1	2	<1

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



ADDITIVES

Calcium	ppm	1626	1510	1643	1614
Magnesium	ppm	537	626	488	494
Zinc	ppm	1089	1135	1106	1117
Phosphorus	ppm	944	964	957	903
Barium	ppm	0	<1	0	0
Boron	ppm	34	24	27	37

Depot: VOLVO0252
Unique No: 5708785
Signed: Wes Davis
Report Date: 10 Jan 2024



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GRAPHS

