



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 400471 VOLVO A40G 353438 - DIESEL ENGINE



Sample No: VCP430057
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 400471



SAMPLE INFORMATION

Sample Number	VCP430057	VCP393069	VCP450282	VCP392148
Sample Date	09 Apr 2024	07 Mar 2024	26 Jan 2024	16 Nov 2023
Machine Hours	5295	4722	3956	2752
Oil Hours	0	0	0	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	12.9	12.6	12.9	12.2
Oxidation (PA)	%	79	80	77	85



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0.1
Nitration (PA)	%	52	55	48	64
Sulfation (PA)	%	61	61	61	65
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	1.8	<1.0	1.2
Silicon	ppm	2	3	3	7
Sodium	ppm	2	2	2	3
Potassium	ppm	0	4	<1	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	5	6	4	10
Copper	ppm	1	2	2	48
Lead	ppm	0	<1	<1	2
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	2	2	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	39	40	42	46
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1674	1689	1580	1692
Magnesium	ppm	523	521	567	492
Zinc	ppm	1075	1091	1081	1082
Phosphorus	ppm	920	966	940	923
Barium	ppm	0	0	0	<1
Boron	ppm	47	41	46	29

Depot: VOLVO0252
Unique No: 5761179
Signed: Wes Davis
Report Date: 11 Apr 2024



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GRAPHS

