



CONSTRUCTION EQUIPMENT

TRIPLE M VOLVO A30G 752850 - DIESEL ENGINE



Sample No: VCP380143
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP380143	VCP391692	VCP381008	VCP380995
Sample Date	06 Oct 2023	17 Jul 2023	10 Mar 2023	21 Feb 2023
Machine Hours	4419	0	1634	1212
Oil Hours	0	1000	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)
 1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1
 Contact: C. Carter
 ccarter@strongco.com
 T:
 F: (905)643-6077



OIL CONDITION

Visc @ 100°C	cSt	12.6	12.5	12.5	12.3
Oxidation (PA)	%	88	88	82	79



CONTAMINATION

Soot %	%	0.1	0.1	0	0
Nitration (PA)	%	68	68	54	54
Sulfation (PA)	%	64	65	70	69
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	<1.0	1.1
Silicon	ppm	4	4	3	6
Sodium	ppm	2	2	2	2
Potassium	ppm	0	<1	0	0



WEAR METALS

Iron	ppm	10	9	5	7
Copper	ppm	2	3	11	77
Lead	ppm	<1	0	<1	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	<1	1	1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	43	42	43	44
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1658	1633	1772	1800
Magnesium	ppm	554	549	535	440
Zinc	ppm	1102	1103	1098	1058
Phosphorus	ppm	940	998	1026	1008
Barium	ppm	<1	0	0	0
Boron	ppm	25	25	47	52

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.

Depot: VOLVO0252
Unique No: 5657143
Signed: Wes Davis
Report Date: 11 Oct 2023



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GRAPHS

