



CONSTRUCTION EQUIPMENT

STELLA-JONES 381482 VOLVO L90H 625859 - DIESEL ENGINE



Sample No: VCP429945
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 381482



SAMPLE INFORMATION

Sample Number	VCP429945	VCP394503	VCP394578	VCP392105
Sample Date	13 Oct 2023	16 Aug 2023	30 Jun 2023	16 May 2023
Machine Hours	6502	6000	5529	5008
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

Contact: Janice Cripps
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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.8	13.7	13.6
Oxidation (PA)	%	85	88	88	87



CONTAMINATION

Soot %	%	0.2	0.4	0.3	0.2
Nitration (PA)	%	66	69	70	65
Sulfation (PA)	%	64	68	66	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	4
Sodium	ppm	3	3	3	3
Potassium	ppm	0	<1	<1	0



WEAR METALS

Iron	ppm	8	8	8	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	3	4	2	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	39	41	41
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1787	1719	1740	1821
Magnesium	ppm	527	512	527	527
Zinc	ppm	1128	1116	1134	1153
Phosphorus	ppm	937	991	1007	1040
Barium	ppm	<1	0	0	0
Boron	ppm	25	23	25	31

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: SHEMIS
Unique No: 5658629
Signed: Wes Davis
Report Date: 17 Oct 2023



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GRAPHS

