



CONSTRUCTION EQUIPMENT

STELLA JONES 8-373812 VOLVO L90H 625390 - DIESEL ENGINE



Sample No: VCP380460
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 8-373812



SAMPLE INFORMATION

Sample Number	VCP380460	VCP392093	VCP381840	VCP382144
Sample Date	09 Aug 2023	16 May 2023	29 Mar 2023	21 Feb 2023
Machine Hours	8961	8575	8068	7612
Oil Hours	0	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	13.5	13.7	13.2	13.7
Oxidation (PA)	%	84	86	87	86



CONTAMINATION

Soot %	%	0.3	0.3	0.1	0.2
Nitration (PA)	%	65	65	68	73
Sulfation (PA)	%	66	66	72	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	4	5	5
Sodium	ppm	3	3	3	3
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	9	10	10	15
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	3	3	4
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	40	41	41	44
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1713	1830	1875	1909
Magnesium	ppm	517	527	530	551
Zinc	ppm	1118	1160	1121	1161
Phosphorus	ppm	997	1040	1045	1058
Barium	ppm	0	0	0	<1
Boron	ppm	28	29	35	30

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: 5631474
Signed: Wes Davis
Report Date: 25 Aug 2023



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GRAPHS

