



CONSTRUCTION EQUIPMENT

STELLA-JONES 8-370894 VOLVO L90H 625859 - DIESEL ENGINE



Sample No: VCP394578
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-370894



SAMPLE INFORMATION

Sample Number	VCP394578	VCP392105	VCP381837	VCP380922
Sample Date	30 Jun 2023	16 May 2023	29 Mar 2023	18 Jan 2023
Machine Hours	5529	5008	4518	3991
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

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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.6	13.0	13.4
Oxidation (PA)	%	88	87	88	86



CONTAMINATION

Soot %	%	0.3	0.2	0.1	0.2
Nitration (PA)	%	70	65	71	64
Sulfation (PA)	%	66	66	71	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	4
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	0	0	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	8	8	10	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	3	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	41	42
Nickel	ppm	0	<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	1740	1821	1854	1807
Magnesium	ppm	527	527	526	504
Zinc	ppm	1134	1153	1105	1124
Phosphorus	ppm	1007	1040	1031	1018
Barium	ppm	0	0	0	0
Boron	ppm	25	31	36	35

Depot: SHEMIS
Unique No: 5615900
Signed: Wes Davis
Report Date: 19 Jul 2023



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GRAPHS

