



CONSTRUCTION EQUIPMENT

8-323549 VOLVO L120H 632415 - DIESEL ENGINE



Sample No: VCP349517
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-323549



SAMPLE INFORMATION

Sample Number	VCP349517	VCP334277	VCP334485	VCP281489
Sample Date	04 May 2022	07 Mar 2022	05 Oct 2021	06 Jun 2021
Machine Hours	8499	8050	7010	6518
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	SEVERE	NORMAL



STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.7	13.3	13.4
Oxidation (PA)	%	86	86	85	85



CONTAMINATION

Soot %	%	0.1	0.1	0.5	0.4
Nitration (PA)	%	59	61	68	64
Sulfation (PA)	%	69	67	67	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	9	9	▲ 23	15
Sodium	ppm	2	3	4	3
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	11	15	29	15
Copper	ppm	<1	<1	2	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	7	9	▲ 61	15
Chromium	ppm	<1	2	3	<1
Molybdenum	ppm	40	40	40	42
Nickel	ppm	2	4	3	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1685	1692	1724	1772
Magnesium	ppm	529	518	540	511
Zinc	ppm	1153	1101	1139	1076
Phosphorus	ppm	982	973	1018	882
Barium	ppm	0	0	0	<1
Boron	ppm	39	44	30	43

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: 5408287
Signed: Wes Davis
Report Date: 30 May 2022



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GRAPHS

