



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-371250 VOLVO L110H 631487 - DIESEL ENGINE



Sample No: VCP394971
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-371250



SAMPLE INFORMATION

Sample Number	VCP394971	VCP352587	VCP352377	VCP332779
Sample Date	21 Jul 2023	10 Feb 2023	16 Sep 2022	25 Feb 2022
Machine Hours	6030	5500	5010	4503
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	12.3	12.4	12.9	12.8
Oxidation (PA)	%	83	84	84	53



CONTAMINATION

Soot %	%	0.3	0.1	0.2	0
Nitration (PA)	%	63	62	63	41
Sulfation (PA)	%	66	69	66	53
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	5
Sodium	ppm	3	3	2	3
Potassium	ppm	0	0	0	<1

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	15	12	11	13
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	36	41	37	36
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1522	1722	1599	1592
Magnesium	ppm	466	483	469	467
Zinc	ppm	1008	1084	1043	1065
Phosphorus	ppm	903	993	957	926
Barium	ppm	0	0	0	0
Boron	ppm	36	42	32	43

Depot: SHEMIS
Unique No: 5617607
Signed: Wes Davis
Report Date: 27 Jul 2023



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GRAPHS

