



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-371247 VOLVO L60H 622564 - DIESEL ENGINE



Sample No: VCP394959
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-371247



SAMPLE INFORMATION

Sample Number	VCP394959	VCP382428	VCP347102	VCP349591
Sample Date	11 Jul 2023	07 Feb 2023	01 Sep 2022	28 Apr 2022
Machine Hours	2520	1996	1548	1009
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
 jcripps@strongco.com
 T: (905)565-3876
 F: (905)670-2338



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.7	13.3	12.8
Oxidation (PA)	%	87	87	34	60



CONTAMINATION

Soot %	%	0.6	0.1	0	0.1
Nitration (PA)	%	71	66	32	52
Sulfation (PA)	%	67	69	42	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	8	6	8
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	17	9	12	18
Copper	ppm	1	<1	1	2
Lead	ppm	0	0	0	0
Tin	ppm	1	1	1	2
Aluminum	ppm	4	4	4	6
Chromium	ppm	1	<1	<1	2
Molybdenum	ppm	40	44	38	38
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1678	1795	1649	1562
Magnesium	ppm	511	509	485	511
Zinc	ppm	1073	1121	1057	1049
Phosphorus	ppm	965	1039	967	919
Barium	ppm	0	0	<1	1
Boron	ppm	36	44	33	48

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: 5615899
Signed: Wes Davis
Report Date: 19 Jul 2023



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GRAPHS

