



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-396758 VOLVO L60H 622565 - DIESEL ENGINE



Sample No: VCP394162
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-396758



SAMPLE INFORMATION

Sample Number	VCP394162	VCP450310	VCP353453	VCP382290
Sample Date	08 Mar 2024	05 Jan 2024	16 Jun 2023	10 Mar 2023
Machine Hours	6042	5573	4455	3985
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.3	13.1	12.8
Oxidation (PA)	%	85	91	81	85



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.1	0
Nitration (PA)	%	63	71	58	60
Sulfation (PA)	%	63	66	61	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	6	6	6
Sodium	ppm	3	2	3	3
Potassium	ppm	<1	<1	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	12	8	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	5	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	42	35	39
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1747	1732	1785	1750
Magnesium	ppm	511	513	450	500
Zinc	ppm	1057	1094	1094	1060
Phosphorus	ppm	884	950	983	994
Barium	ppm	0	0	0	0
Boron	ppm	34	29	34	40

Depot: SHEMIS
Unique No: 5749057
Signed: Wes Davis
Report Date: 22 Mar 2024



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GRAPHS

