



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-39004 VOLVO L60H 622565 - DIESEL ENGINE



Sample No: VCP450310
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-39004



SAMPLE INFORMATION

Sample Number	VCP450310	VCP353453	VCP382290	VCP353324
Sample Date	05 Jan 2024	16 Jun 2023	10 Mar 2023	22 Dec 2022
Machine Hours	5573	4455	3985	3520
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.1	12.8	13.2
Oxidation (PA)	%	91	81	85	87



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.1	0	0
Nitration (PA)	%	71	58	60	60
Sulfation (PA)	%	66	61	71	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	7
Sodium	ppm	2	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	12	8	8	9
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	35	39	42
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1732	1785	1750	1793
Magnesium	ppm	513	450	500	496
Zinc	ppm	1094	1094	1060	1087
Phosphorus	ppm	950	983	994	995
Barium	ppm	0	0	0	0
Boron	ppm	29	34	40	36

Depot: SHEMIS
Unique No: 5711255
Signed: Wes Davis
Report Date: 22 Jan 2024



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GRAPHS

