



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-399843 VOLVO L60H 622563 - DIESEL ENGINE



Sample No: VCP391720
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-399843



SAMPLE INFORMATION

Sample Number	VCP391720	VCP450324	VCP392256	VCP382292
Sample Date	05 Apr 2024	05 Jan 2024	14 Jul 2023	10 Mar 2023
Machine Hours	5489	5025	4030	3450
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

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OIL CONDITION

Visc @ 100°C	cSt	12.9	13.2	13.0	13.0
Oxidation (PA)	%	87	85	84	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0
Nitration (PA)	%	63	61	64	60
Sulfation (PA)	%	63	63	63	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	8	7	6
Sodium	ppm	3	2	3	2
Potassium	ppm	<1	<1	<1	<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	8	8	11	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	35	37	41
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1775	1795	1812	1808
Magnesium	ppm	514	443	478	520
Zinc	ppm	1086	1072	1115	1097
Phosphorus	ppm	913	945	996	1026
Barium	ppm	0	0	0	0
Boron	ppm	33	25	25	38

Depot: SHEMIS
Unique No: 5760983
Signed: Wes Davis
Report Date: 10 Apr 2024



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GRAPHS

