



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-390041 VOLVO L60H 622563 - DIESEL ENGINE



Sample No: VCP450324
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-390041



SAMPLE INFORMATION

Sample Number	VCP450324	VCP392256	VCP382292	VCP353326
Sample Date	05 Jan 2024	14 Jul 2023	10 Mar 2023	09 Dec 2022
Machine Hours	5025	4030	3450	3002
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.0	13.0	13.2
Oxidation (PA)	%	85	84	86	89

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.2	0	0
Nitration (PA)	%	61	64	60	64
Sulfation (PA)	%	63	63	70	67
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	7	6	8
Sodium	ppm	2	3	2	3
Potassium	ppm	<1	<1	<1	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	11	8	9
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	35	37	41	43
Nickel	ppm	0	<1	<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	1795	1812	1808	1804
Magnesium	ppm	443	478	520	519
Zinc	ppm	1072	1115	1097	1100
Phosphorus	ppm	945	996	1026	1010
Barium	ppm	0	0	0	0
Boron	ppm	25	25	38	30

Depot: SHEMIS
Unique No: 5711256
Signed: Wes Davis
Report Date: 22 Jan 2024



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GRAPHS

