



CONSTRUCTION EQUIPMENT

STELLA-JONES 8-373815 VOLVO L50H 625858 - DIESEL ENGINE



Sample No: VCP380476
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-373815



SAMPLE INFORMATION

Sample Number	VCP380476	VCP394852	VCP382431	VCP332583
Sample Date	16 Aug 2023	16 May 2023	23 Feb 2023	17 Nov 2022
Machine Hours	6077	5500	4933	4342
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	13.9	13.4	13.6	14.1
Oxidation (PA)	%	91	87	62	93

CONTAMINATION

Water	%	---	---	0.047	---
Soot %	%	0.6	0.4	0.1	0.4
Nitration (PA)	%	78	71	57	80
Sulfation (PA)	%	70	66	58	67
Glycol	%	NEG	NEG	0.0	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	5	6
Sodium	ppm	3	3	3	4
Potassium	ppm	0	0	<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	11	11	14	16
Copper	ppm	<1	<1	1	2
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	3	6	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	43	42
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1762	1836	1883	1751
Magnesium	ppm	534	538	518	544
Zinc	ppm	1159	1162	1148	1161
Phosphorus	ppm	1012	1037	1023	1042
Barium	ppm	0	0	0	0
Boron	ppm	21	29	31	20

Depot: SHEMIS
Unique No: 5631476
Signed: Wes Davis
Report Date: 25 Aug 2023



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GRAPHS

