



CONSTRUCTION EQUIPMENT

STELLA-JONES 8-404175 VOLVO L50H 625858 - DIESEL ENGINE



Sample No: VCP450369
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-404175



SAMPLE INFORMATION

Sample Number	VCP450369	VCP449353	VCP449335	VCP353417
Sample Date	16 May 2024	14 Mar 2024	24 Jan 2024	27 Oct 2023
Machine Hours	8042	7551	7080	6504
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
MISSISSAUGA, ON
CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.4	13.6	13.5
Oxidation (PA)	%	88	90	95	79



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.4	0.3	0.4	0.3
Nitration (PA)	%	73	74	84	64
Sulfation (PA)	%	66	65	67	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	5	4
Sodium	ppm	2	3	3	3
Potassium	ppm	0	<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	8	12	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	2	4	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	43	42	40
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1834	1847	1794	1721
Magnesium	ppm	531	535	533	500
Zinc	ppm	1095	1100	1118	1090
Phosphorus	ppm	929	920	955	908
Barium	ppm	0	0	0	<1
Boron	ppm	28	27	26	23

Depot: SHEMIS
Unique No: 5785486
Signed: Wes Davis
Report Date: 17 May 2024



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GRAPHS

