



CONSTRUCTION EQUIPMENT

LAKESIDE 8-391800 VOLVO L70H 622335 - DIESEL ENGINE



Sample No: VCP449500
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 8-391800



SAMPLE INFORMATION

Sample Number	VCP449500	VCP347500	VCP260276	VCP240943
Sample Date	08 Feb 2024	21 Apr 2022	12 Feb 2020	26 Jun 2019
Machine Hours	3982	3510	2507	1982
Oil Hours	2000	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	13.4	13.4	13.3	13.2
Oxidation (PA)	%	78	88	83	84



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.3	0.1	0.1
Nitration (PA)	%	63	88	68	67
Sulfation (PA)	%	60	66	70	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	8	8	7	8
Sodium	ppm	2	2	2	3
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	21	42	15	20
Copper	ppm	2	3	1	2
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	1	0	0
Aluminum	ppm	17	29	10	12
Chromium	ppm	<1	2	<1	1
Molybdenum	ppm	38	44	43	41
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1811	1653	1735	1663
Magnesium	ppm	464	503	509	493
Zinc	ppm	1094	929	886	892
Phosphorus	ppm	983	804	768	733
Barium	ppm	0	0	0	0
Boron	ppm	47	38	48	45

Depot: SHEMIS
Unique No: 5724081
Signed: Kevin Marson
Report Date: 13 Feb 2024



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GRAPHS

