



CONSTRUCTION EQUIPMENT

HARBOURSIDE ORGANIX INC 396702 VOLVO L150H 6415 - DIESEL ENGINE



Sample No: VCP450416
Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40
Job No: 396702



SAMPLE INFORMATION

Sample Number	VCP450416	VCP392145	VCP394666	VCP353471
Sample Date	05 Mar 2024	04 Jan 2024	28 Jul 2023	04 Nov 2022
Machine Hours	6415	4715	4227	3525
Oil Hours	0	0	2000	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
Burlington, ON
CA L7L 4Y1

Contact: Sue Hooton
shooton@strongco.com
T: (905)331-3835
F: (905)643-6077

OIL CONDITION

Visc @ 100°C	cSt	12.8	12.5	12.7	12.9
Oxidation (PA)	%	80	80	76	84

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.2	0.1
Nitration (PA)	%	49	55	62	60
Sulfation (PA)	%	62	63	61	66
Glycol	%	NEG	0.0	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	4
Sodium	ppm	2	2	3	2
Potassium	ppm	<1	16	<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	3	5	6	4
Copper	ppm	<1	1	3	1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	38	39	40	41
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1663	1692	1644	1696
Magnesium	ppm	484	497	507	511
Zinc	ppm	1025	1053	1071	1080
Phosphorus	ppm	903	901	994	1008
Barium	ppm	0	0	0	0
Boron	ppm	45	30	29	33

Depot: VOLVO0252
Unique No: 5737582
Signed: Wes Davis
Report Date: 07 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

