



CONSTRUCTION EQUIPMENT

IMPACT AUTO 8-383125 VOLVO L90H 624431 - DIESEL ENGINE



Sample No: VCP353281
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 8-383125



SAMPLE INFORMATION

Sample Number	VCP353281	VCP391935	VCP382415	VCP347156
Sample Date	31 Oct 2023	31 May 2023	01 Feb 2023	17 Aug 2022
Machine Hours	6460	6015	5478	4980
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

Contact: Janice Cripps
jcripps@strongco.com
T: (905)565-3876
F: (905)670-2338



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.0	13.3	13.1
Oxidation (PA)	%	85	90	78	85



CONTAMINATION

Soot %	%	0.2	0.4	0.2	0
Nitration (PA)	%	63	74	65	61
Sulfation (PA)	%	63	65	63	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	6	5
Sodium	ppm	3	3	3	3
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	8	15	12	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	4	4	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	40	43	43	40
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1719	1896	1798	1684
Magnesium	ppm	500	544	525	509
Zinc	ppm	1098	1132	1152	1103
Phosphorus	ppm	935	1028	1025	941
Barium	ppm	<1	0	0	0
Boron	ppm	30	31	36	41

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.

Depot: SHEMIS
Unique No: 5671973
Signed: Wes Davis
Report Date: 08 Nov 2023

VOLVO **GRAPHS**

