



CONSTRUCTION EQUIPMENT

IMPACT AUTO 8-404182 VOVLO L90H 625322 - DIESEL ENGINE



Sample No: VCP297693
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-404182



SAMPLE INFORMATION

Sample Number	VCP297693	VCP449284	VCP353391	VCP394910
Sample Date	24 May 2024	05 Feb 2024	31 Oct 2023	26 Jun 2023
Machine Hours	6575	6042	5540	4963
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	13.0	13.1	13.2	13.1
Oxidation (PA)	%	83	84	85	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.3	0.3	0.2
Nitration (PA)	%	68	66	66	61
Sulfation (PA)	%	64	64	64	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	5	5
Sodium	ppm	2	2	3	3
Potassium	ppm	0	<1	0	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	11	11	11	8
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	3	4	4	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	40	40	40
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1782	1745	1709	1723
Magnesium	ppm	518	510	507	510
Zinc	ppm	1072	1070	1105	1095
Phosphorus	ppm	939	940	944	977
Barium	ppm	0	0	<1	0
Boron	ppm	32	32	27	37

Depot: SHEMIS
Unique No: 5787588
Signed: Wes Davis
Report Date: 29 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

