



CONSTRUCTION EQUIPMENT

IMPACT AUTO 8-393417 VOLVO L90H 625990 - DIESEL ENGINE



Sample No: VCP449280
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-393417



SAMPLE INFORMATION

Sample Number	VCP449280	VCP353278	VCP392281	VCP381745
Sample Date	05 Feb 2024	31 Oct 2023	26 Jun 2023	21 Mar 2023
Machine Hours	3033	2627	2012	1533
Oil Hours	0	0	2000	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	12.7	13.4	12.9	13.0
Oxidation (PA)	%	83	84	84	85



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.2	0
Nitration (PA)	%	62	65	59	65
Sulfation (PA)	%	64	63	63	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	6	5	7
Sodium	ppm	2	3	3	2
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	59	91	68	68
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	3	3	4
Chromium	ppm	1	2	2	2
Molybdenum	ppm	38	40	39	40
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1697	1716	1697	1834
Magnesium	ppm	494	508	502	501
Zinc	ppm	1035	1099	1077	1097
Phosphorus	ppm	907	937	956	1024
Barium	ppm	0	<1	<1	<1
Boron	ppm	37	25	38	43

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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: SHEMIS
Unique No: 5723030
Signed: Kevin Marson
Report Date: 07 Feb 2024



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VOLVO GRAPHS

