



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-377621 VOLVO L70H 624447 - DIESEL ENGINE



Sample No: VCP429983
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-377621



SAMPLE INFORMATION

Sample Number	VCP429983	VCP349590	VCP382293	VCP353325
Sample Date	15 Sep 2023	16 Jun 2023	10 Mar 2023	09 Dec 2022
Machine Hours	4080	3525	2970	2505
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

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OIL CONDITION

Visc @ 100°C	cSt	13.4	12.9	12.8	12.7
Oxidation (PA)	%	86	88	86	90



CONTAMINATION

Soot %	%	0.3	0.2	0	0.1
Nitration (PA)	%	68	67	63	68
Sulfation (PA)	%	64	64	70	68
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	6	6	6
Sodium	ppm	3	3	3	3
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	12	12	10	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	4	4	4	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	40	42	42
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1750	1736	1845	1783
Magnesium	ppm	519	520	526	507
Zinc	ppm	1136	1105	1122	1089
Phosphorus	ppm	924	983	1030	995
Barium	ppm	<1	0	0	0
Boron	ppm	22	30	37	27

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: 5655727
Signed: Kevin Marson
Report Date: 04 Oct 2023



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VOLVO GRAPHS

