



CONSTRUCTION EQUIPMENT

REGION OF PEEL 8-387327 VOLVO L70H 624447 - DIESEL ENGINE



Sample No: VCP393898
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: 8-387327



SAMPLE INFORMATION

Sample Number	VCP393898	VCP429983	VCP349590	VCP382293
Sample Date	08 Dec 2023	15 Sep 2023	16 Jun 2023	10 Mar 2023
Machine Hours	4530	4080	3525	2970
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	12.7	13.4	12.9	12.8
Oxidation (PA)	%	83	86	88	86



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.2	0
Nitration (PA)	%	58	68	67	63
Sulfation (PA)	%	63	64	64	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	7	6	6	6
Sodium	ppm	3	3	3	3
Potassium	ppm	0	<1	0	<1



WEAR METALS

Iron	ppm	10	12	12	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	3	4	4	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	42	40	42
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1758	1750	1736	1845
Magnesium	ppm	523	519	520	526
Zinc	ppm	1118	1136	1105	1122
Phosphorus	ppm	938	924	983	1030
Barium	ppm	<1	<1	0	0
Boron	ppm	33	22	30	37

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: 5696844
Signed: Kevin Marson
Report Date: 18 Dec 2023



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GRAPHS

