



CONSTRUCTION EQUIPMENT

8-386513 VOLVO L70H 624448 - DIESEL ENGINE



Sample No: VCP394310
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: 8-386513



SAMPLE INFORMATION

Sample Number	VCP394310	VCP349593	---	---
Sample Date	04 Dec 2023	08 Jun 2022	---	---
Machine Hours	1527	490	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
 CA L4W 4L4

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.2	---	---
Oxidation (PA)	%	89	74	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.1	---	---
Nitration (PA)	%	61	62	---	---
Sulfation (PA)	%	65	66	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.9	---	---
Silicon	ppm	7	16	---	---
Sodium	ppm	3	4	---	---
Potassium	ppm	0	2	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a new component breaking in. 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	19	34	---	---
Copper	ppm	1	8	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	5	9	---	---
Chromium	ppm	1	3	---	---
Molybdenum	ppm	43	39	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1718	1502	---	---
Magnesium	ppm	531	629	---	---
Zinc	ppm	1130	1128	---	---
Phosphorus	ppm	940	1030	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	34	44	---	---

Depot: SHEMIS
Unique No: 5696841
Signed: Wes Davis
Report Date: 18 Dec 2023



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GRAPHS

