



CONSTRUCTION EQUIPMENT

ST MARY'S CEMENT 8-378398 VOLVO A40G 353345 - DIESEL ENGINE



Sample No: VCP394800
Oil Type: DIESEL ENGINE OIL SAE 10W30
Job No: 8-378398



SAMPLE INFORMATION

Sample Number	VCP394800	VCP333859	---	---
Sample Date	14 Sep 2023	08 Jun 2023	---	---
Machine Hours	1080	585	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
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	█ 10.5	█ 10.4	---	---
Oxidation (PA)	%	█ 68	█ 60	---	---



CONTAMINATION

Soot %	%	█ 0.1	█ 0	---	---
Nitration (PA)	%	█ 90	█ 87	---	---
Sulfation (PA)	%	█ 71	█ 59	---	---
Glycol	%	█ 0.0	█ NEG	---	---
Fuel	%	█ <1.0	█ 0.9	---	---
Silicon	ppm	█ 25	█ 26	---	---
Sodium	ppm	█ 4	█ 3	---	---
Potassium	ppm	█ 3	█ 3	---	---

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	█ 26	█ 21	---	---
Copper	ppm	█ 192	█ 264	---	---
Lead	ppm	█ 5	█ 7	---	---
Tin	ppm	█ 3	█ 3	---	---
Aluminum	ppm	█ 3	█ 3	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 85	█ 86	---	---
Nickel	ppm	█ 2	█ 1	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 3	█ 4	---	---
Vanadium	ppm	█ 0	█ 0	---	---



ADDITIVES

Calcium	ppm	█ 1995	█ 2296	---	---
Magnesium	ppm	█ 116	█ 39	---	---
Zinc	ppm	█ 1098	█ 1182	---	---
Phosphorus	ppm	█ 997	█ 1074	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 8	█ 29	---	---

Depot: SHEMIS
Unique No: 5643812
Signed: Kevin Marson
Report Date: 15 Sep 2023



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GRAPHS

