



CONSTRUCTION EQUIPMENT

CAVANAGH 381737 VOLVO EC480EL 314289 - DIESEL ENGINE



Sample No: VCP430240
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30
Job No: 381737



SAMPLE INFORMATION

Sample Number	VCP430240	VCP391679	VCP349520	---
Sample Date	18 Oct 2023	04 Jun 2023	30 Jan 2023	---
Machine Hours	5510	5003	4521	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8

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OIL CONDITION

Visc @ 100°C	cSt	10.9	10.9	10.8	---
Oxidation (PA)	%	88	84	88	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	77	80	77	---
Sulfation (PA)	%	63	61	67	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	11	6	---
Sodium	ppm	3	3	2	---
Potassium	ppm	<1	4	<1	---

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	5	17	6	---
Copper	ppm	<1	1	<1	---
Lead	ppm	<1	1	1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	2	2	---
Chromium	ppm	0	1	<1	---
Molybdenum	ppm	34	22	37	---
Nickel	ppm	2	<1	5	---
Titanium	ppm	12	<1	9	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	1686	1901	1778	---
Magnesium	ppm	473	322	501	---
Zinc	ppm	1067	1109	1133	---
Phosphorus	ppm	873	996	1044	---
Barium	ppm	<1	0	0	---
Boron	ppm	33	80	33	---

Depot: SHESTI
Unique No: 5669049
Signed: Wes Davis
Report Date: 26 Oct 2023



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GRAPHS

