



CONSTRUCTION EQUIPMENT

CAVANAGH 377592 VOLVO EC380E 314152 - DIESEL ENGINE



Sample No: VCP394478
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30
Job No: 377592



SAMPLE INFORMATION

Sample Number	VCP394478	VCP352614	VCP352887	---
Sample Date	12 Sep 2023	23 Apr 2023	23 Feb 2023	---
Machine Hours	6478	6002	5710	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
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OIL CONDITION

Visc @ 100°C	cSt	10.6	10.6	▲ 10.6	---
Oxidation (PA)	%	87	80	86	---



CONTAMINATION

Soot %	%	0	0	0	---
Nitration (PA)	%	68	58	78	---
Sulfation (PA)	%	63	61	66	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	1.1	---
Silicon	ppm	6	5	5	---
Sodium	ppm	3	2	2	---
Potassium	ppm	<1	<1	0	---

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	6	3	5	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	1	2	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	40	36	34	---
Nickel	ppm	2	<1	<1	---
Titanium	ppm	1	7	9	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	1711	1808	1781	---
Magnesium	ppm	511	484	473	---
Zinc	ppm	1090	1082	1089	---
Phosphorus	ppm	985	1014	990	---
Barium	ppm	0	0	0	---
Boron	ppm	34	54	31	---

Depot: SHESTI
Unique No: 5643748
Signed: Wes Davis
Report Date: 15 Sep 2023



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GRAPHS

