



CONSTRUCTION EQUIPMENT

68914 VOLVO EC350EL 310558 - DIESEL ENGINE



Sample No: VCP300142
Oil Type: NOT GIVEN
Job No: 68914



SAMPLE INFORMATION

Sample Number	VCP300142	VCP280288	VCP259174	---
Sample Date	12 May 2021	29 Jun 2020	25 Sep 2019	---
Machine Hours	2666	2204	1696	---
Oil Hours	666	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	11.9	12.1	12.3	---
Oxidation (PA)	%	76	93	82	---



CONTAMINATION

Soot %	%	0.1	0.2	0.1	---
Nitration (PA)	%	72	74	62	---
Sulfation (PA)	%	60	66	62	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	1.2	<1.0	<1.0	---
Silicon	ppm	5	6	8	---
Sodium	ppm	3	2	3	---
Potassium	ppm	1	<1	14	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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	13	8	---
Copper	ppm	4	19	67	---
Lead	ppm	<1	<1	0	---
Tin	ppm	<1	1	0	---
Aluminum	ppm	3	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	31	40	36	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1765	1765	1601	---
Magnesium	ppm	388	522	426	---
Zinc	ppm	999	854	805	---
Phosphorus	ppm	889	756	693	---
Barium	ppm	0	0	0	---
Boron	ppm	35	23	26	---

Depot: VOLVO0096
Unique No: 9527706
Signed: Don Baldrige
Report Date: 04 Jun 2021



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GRAPHS

