



CONSTRUCTION EQUIPMENT

24069 VOLVO EC350EL 310118 - DIESEL ENGINE



Sample No: VCP433652
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 24069



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

Sample Number	VCP433652	VCP420882	VC414575	---
Sample Date	21 Sep 2023	12 Jun 2023	10 Mar 2016	---
Machine Hours	10534	10261	975	---
Oil Hours	1000	0	0	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 100°C	cSt	12.5	12.1	13.85	---
Base Number (BN)	mg KOH/g	9.7	9.2	---	---
Oxidation (PA)	%	78	57	64	---



CONTAMINATION

Soot %	%	0.1	0.1	0	---
Nitration (PA)	%	50	54	50	---
Sulfation (PA)	%	58	52	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	2.2	<1.0	---
Silicon	ppm	12	6	5	---
Sodium	ppm	7	0	13	---
Potassium	ppm	4	<1	0	---



WEAR METALS

Iron	ppm	8	3	4	---
Copper	ppm	3	<1	32	---
Lead	ppm	1	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	<1	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	52	60	0	---
Nickel	ppm	2	<1	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1886	1069	2511	---
Magnesium	ppm	672	921	13	---
Zinc	ppm	1350	1179	1183	---
Phosphorus	ppm	1139	1011	1004	---
Barium	ppm	0	0	0	---
Boron	ppm	75	123	67	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO3387
Unique No: 10672673
Signed: Wes Davis
Report Date: 03 Oct 2023



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GRAPHS

