



# CONSTRUCTION EQUIPMENT

SW1020395 STEFFY VOLVO ECR355E 314552 - DIESEL ENGINE



**Sample No:** VCP406936  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SW1020395 STEFFY



## SAMPLE INFORMATION

Sample Number	VCP406936	VCP379847	---	---
Sample Date	24 Jun 2023	17 Feb 2023	---	---
Machine Hours	1248	708	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 9.5	█ 6.6	---	---
Oxidation (PA)	%	67	51	---	---

## 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.



## CONTAMINATION

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	64	63	---	---
Sulfation (PA)	%	57	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 7	█ 17	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 1	█ 4	---	---



## WEAR METALS

Iron	ppm	█ 10	█ 18	---	---
Copper	ppm	█ 4	█ 18	---	---
Lead	ppm	█ 0	█ 3	---	---
Tin	ppm	█ 2	█ 3	---	---
Aluminum	ppm	█ <1	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 55	█ 18	---	---
Nickel	ppm	█ 2	█ 9	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 3	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1435	█ 2108	---	---
Magnesium	ppm	█ 895	█ 271	---	---
Zinc	ppm	█ 1329	█ 1083	---	---
Phosphorus	ppm	█ 1055	█ 902	---	---
Barium	ppm	█ 15	█ 0	---	---
Boron	ppm	█ 10	█ 39	---	---

**Depot:** VOLVO6174  
**Unique No:** 10538106  
**Signed:** Wes Davis  
**Report Date:** 02 Jul 2023



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## GRAPHS

