



# CONSTRUCTION EQUIPMENT

PRIMORIS ENERGY VOLVO A40G 352782 - WET DISC BRAKE



**Sample No:** VCP364278  
**Oil Type:** VOLVO WB 102  
**Job No:** PRIMORIS ENERGY



## SAMPLE INFORMATION

Sample Number	VCP364278	---	---	---
Sample Date	15 Aug 2022	---	---	---
Machine Hours	2306	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 40.1	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 20	---	---	---
Sodium	ppm	█ 11	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	▲ 217	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	6	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 3689	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 1619	---	---	---
Phosphorus	ppm	█ 1314	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 107	---	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10103555  
**Signed:** Jonathan Hester  
**Report Date:** 24 Aug 2022



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## GRAPHS

