



# CONSTRUCTION EQUIPMENT

2853-2 PRINOTH T14R 935310091 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP445923A  
**Oil Type:** {unknown}  
**Job No:** 2853-2



## SAMPLE INFORMATION

Sample Number	VCP445923A	VCP284598	---	---
Sample Date	01 Apr 2024	01 Jun 2020	---	---
Machine Hours	2095	1356	---	---
Oil Hours	0	500	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	SEVERE	SEVERE	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	53.3	227	---	---
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## CONTAMINATION

Water	%	4.97	0.293	---	---
Silicon	ppm	351	521	---	---
Sodium	ppm	4	12	---	---
Potassium	ppm	12	20	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a very high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	536	2162	---	---
Copper	ppm	261	1899	---	---
Lead	ppm	10	15	---	---
Tin	ppm	26	0	---	---
Aluminum	ppm	28	100	---	---
Chromium	ppm	5	25	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	3	2	---	---
Titanium	ppm	5	10	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	5	15	---	---
Vanadium	ppm	<1	1	---	---



## ADDITIVES

Calcium	ppm	92	34	---	---
Magnesium	ppm	7	8	---	---
Zinc	ppm	331	38	---	---
Phosphorus	ppm	334	821	---	---
Barium	ppm	0	2	---	---
Boron	ppm	11	39	---	---

**Depot:** VOLVO0264  
**Unique No:** 10964203  
**Signed:** Don Baldrige  
**Report Date:** 06 Apr 2024



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## VOLVO GRAPHS

