



# CONSTRUCTION EQUIPMENT

## SWO-072401 - TRANSMISSION



**Sample No:** VCP443922  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWO-072401



### SAMPLE INFORMATION

Sample Number	<b>VCP443922</b>	VCP452415	VCP431082	VCP412703
Sample Date	<b>31 May 2024</b>	04 Mar 2024	03 Nov 2023	11 Jul 2023
Machine Hours	<b>10125</b>	9648	9145	8645
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

**SAIIA CONSTRUCTION LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>84.3</b>	74.3	76.5	51.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	6	6	6
Sodium	ppm	<b>2</b>	4	3	2
Potassium	ppm	<b>0</b>	0	2	1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>3</b>	7	6	10
Copper	ppm	<b>11</b>	31	19	22
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	2	2
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>40</b>	37	34	23
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>7</b>	13	8	15
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>1620</b>	1604	1545	1133
Magnesium	ppm	<b>479</b>	425	450	302
Zinc	ppm	<b>1040</b>	924	891	716
Phosphorus	ppm	<b>932</b>	844	854	701
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>96</b>	86	89	95

**Depot:** SAIBIR  
**Unique No:** 11071167  
**Signed:** Jonathan Hester  
**Report Date:** 12 Jun 2024



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## GRAPHS

