



# CONSTRUCTION EQUIPMENT

TMR-LANDSTREET 6322279 VOLVO EC380 314718 - DIESEL ENGINE



**Sample No:** VCP430830  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 6322279



## SAMPLE INFORMATION

Sample Number	<b>VCP430830</b>	VCP434701	VCP420986	DJJ0009642
Sample Date	<b>01 Nov 2023</b>	28 Aug 2023	12 May 2023	21 Mar 2023
Machine Hours	<b>3528</b>	3229	2795	2534
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>ATTENTION</b>	ATTENTION	ATTENTION	ATTENTION

TRADEMARK METALS RECYCLING - ORLANDO - LANDSTREET  
 51 EAST LANDSTREET ROAD  
 ORLANDO, FL  
 US 32824  
 Contact: RYAN BOWDEN

## OIL CONDITION

Visc @ 100°C	cSt	<b>▲ 12.2</b>	▲ 12.2	▲ 12.1	▲ 11.9
Base Number (BN)	mg KOH/g	<b>■ 9.9</b>	---	■ 9.9	■ 9.3
Oxidation (PA)	%	<b>83</b>	86	80	61

T:  
 F: (407)855-3118

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

## CONTAMINATION

Soot %	%	<b>■ 0.1</b>	■ 0.1	■ 0.1	■ 0.1
Nitration (PA)	%	<b>58</b>	67	59	57
Sulfation (PA)	%	<b>60</b>	62	60	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>■ 4</b>	■ 5	■ 4	■ 3
Sodium	ppm	<b>■ 2</b>	■ 3	■ 0	■ 2
Potassium	ppm	<b>■ &lt;1</b>	■ <1	■ 1	■ <1

## WEAR METALS

Iron	ppm	<b>■ 3</b>	■ 11	■ 3	■ 3
Copper	ppm	<b>■ &lt;1</b>	■ 2	■ <1	■ <1
Lead	ppm	<b>■ 0</b>	■ 0	■ <1	■ <1
Tin	ppm	<b>■ &lt;1</b>	■ <1	■ <1	■ <1
Aluminum	ppm	<b>■ 1</b>	■ <1	■ 0	■ 1
Chromium	ppm	<b>■ &lt;1</b>	■ <1	■ 0	■ <1
Molybdenum	ppm	<b>■ 45</b>	■ 43	■ 45	■ 59
Nickel	ppm	<b>■ 0</b>	■ 0	■ <1	■ 0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Manganese	ppm	<b>■ &lt;1</b>	■ <1	■ <1	■ <1
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>■ 1758</b>	■ 1795	■ 1602	■ 1161
Magnesium	ppm	<b>■ 574</b>	■ 543	■ 511	■ 917
Zinc	ppm	<b>■ 1247</b>	■ 1185	■ 1091	■ 1231
Phosphorus	ppm	<b>■ 1004</b>	■ 966	■ 917	■ 1056
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 2
Boron	ppm	<b>■ 40</b>	■ 32	■ 37	■ 4

**Depot:** TRAORLFL  
**Unique No:** 10727219  
**Signed:** Don Baldrige  
**Report Date:** 07 Nov 2023



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## GRAPHS

