



# CONSTRUCTION EQUIPMENT

## 701444 GEN ASPHALT - DIESEL ENGINE



**Sample No:** VCP444344  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 701444 GEN ASPHALT



### SAMPLE INFORMATION

Sample Number	VCP444344	VCP440278	---	---
Sample Date	15 Apr 2024	20 Sep 2023	---	---
Machine Hours	2034	1167	---	---
Oil Hours	2034	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: JOHN FARDELLA  
 john.fardella@altg.com  
 T: (813)630-0077  
 F: (813)630-2233



### OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 12.5	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 9.8	---	---
Oxidation (PA)	%	80	79	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other 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 acceptable for the time in service.



### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	73	60	---	---
Sulfation (PA)	%	60	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	█ 12	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 3	█ <1	---	---



### WEAR METALS

Iron	ppm	█ 28	█ 16	---	---
Copper	ppm	█ 8	█ 10	---	---
Lead	ppm	█ 1	█ 1	---	---
Tin	ppm	█ 2	█ 1	---	---
Aluminum	ppm	▲ 18	█ 12	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	█ 47	█ 43	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	2	0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	█ 1740	█ 1744	---	---
Magnesium	ppm	█ 554	█ 523	---	---
Zinc	ppm	█ 1234	█ 1171	---	---
Phosphorus	ppm	█ 1119	█ 937	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 33	█ 43	---	---

**Depot:** VOLVO0093  
**Unique No:** 11031017  
**Signed:** Sean Felton  
**Report Date:** 17 May 2024

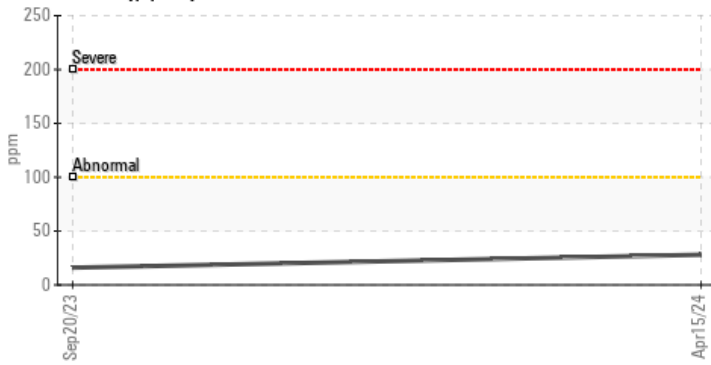


# CONSTRUCTION EQUIPMENT

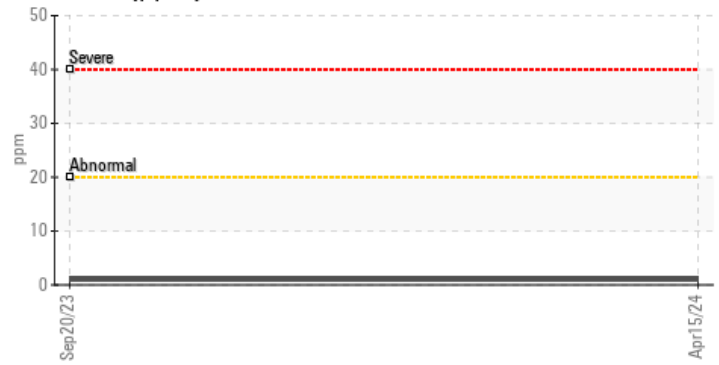


## GRAPHS

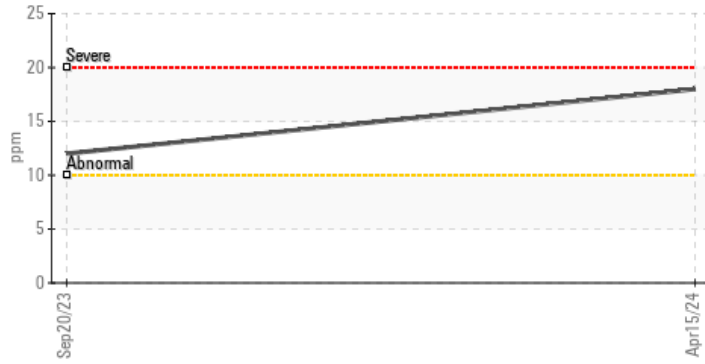
### Iron (ppm)



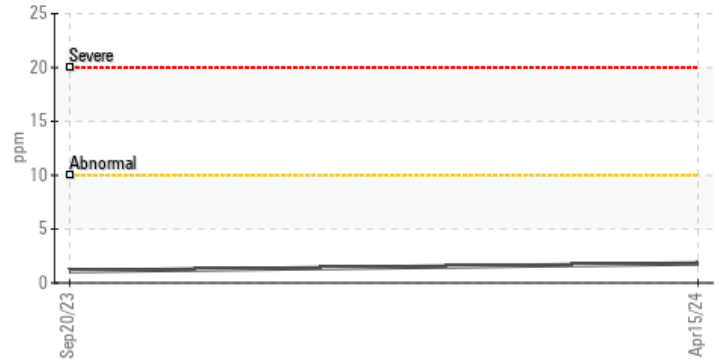
### Lead (ppm)



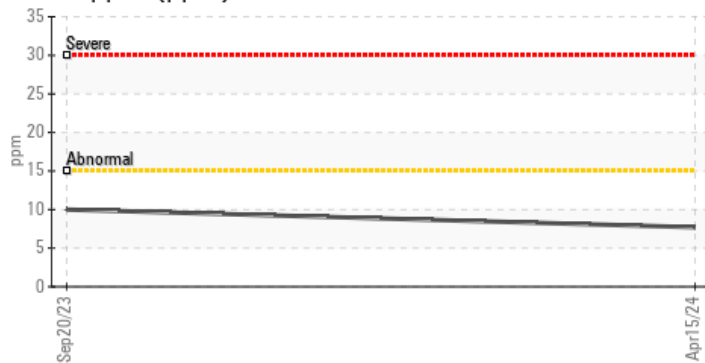
### Aluminum (ppm)



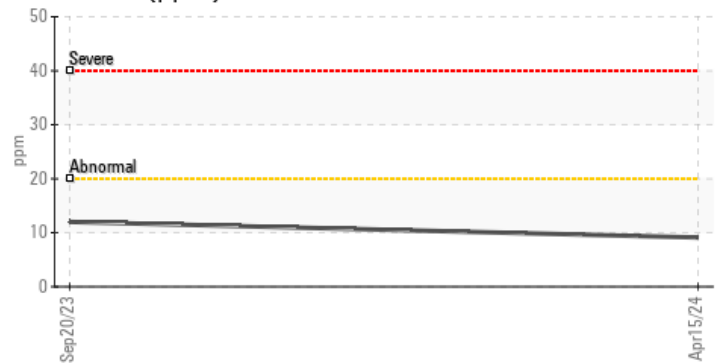
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

