



# CONSTRUCTION EQUIPMENT

(12100199) BLYTHE CONSTRUCTION CSA - CHARLOTTE VOLVO EW180E 3005906 (S/N 323461) - DIESEL E



Sample No: ASC0000707

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

Job No:



## SAMPLE INFORMATION

Sample Number	ASC0000707	VCP0006619	---	---
Sample Date	09 Oct 2023	16 Jun 2023	---	---
Machine Hours	992	480	---	---
Oil Hours	512	480	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**BLYTHE CONSTRUCTION INC**  
 2911 N GRAHAM STREET  
 CHARLOTTE, NC  
 US 28231  
 Contact: Service Manager



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	█ 11.9	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 9.8	---	---
Oxidation (PA)	%	85	72	---	---

T:  
 F: (704)373-2960

## Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 suitable for further service.



## CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	67	60	---	---
Sulfation (PA)	%	60	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	█ 0.4	---	---
Silicon	ppm	█ 15	█ 13	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 5	█ 3	---	---



## WEAR METALS

Iron	ppm	█ 12	█ 10	---	---
Copper	ppm	█ 2	█ 4	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 1	█ 1	---	---
Aluminum	ppm	█ 4	█ 4	---	---
Chromium	ppm	█ 1	█ 2	---	---
Molybdenum	ppm	█ 47	█ 44	---	---
Nickel	ppm	█ <1	█ 4	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	█ 1764	█ 1564	---	---
Magnesium	ppm	527	█ 707	---	---
Zinc	ppm	█ 1221	█ 1189	---	---
Phosphorus	ppm	█ 964	█ 971	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 26	█ 41	---	---

Depot: BLYCHANC  
 Unique No: 10685899  
 Signed: Wes Davis  
 Report Date: 11 Oct 2023



# CONSTRUCTION EQUIPMENT

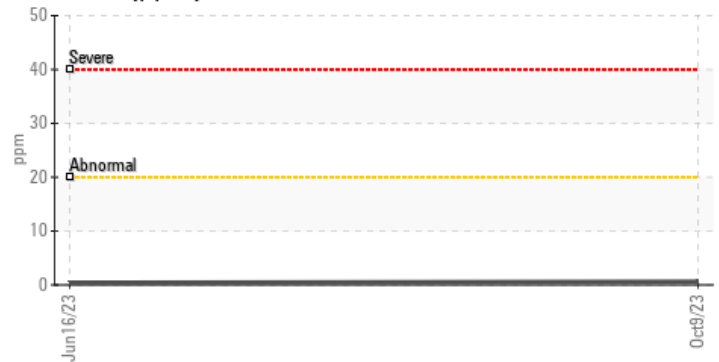


## GRAPHS

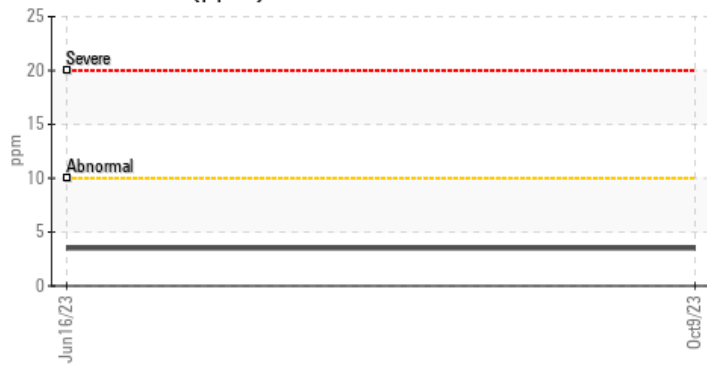
### Iron (ppm)



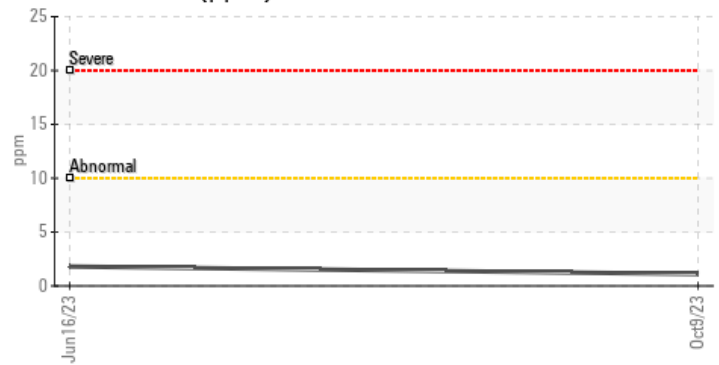
### Lead (ppm)



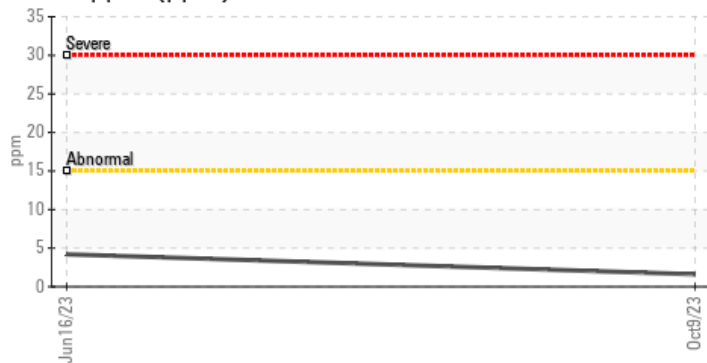
### Aluminum (ppm)



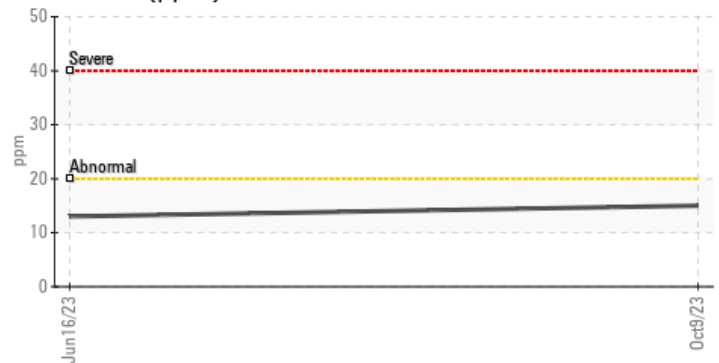
### Chromium (ppm)



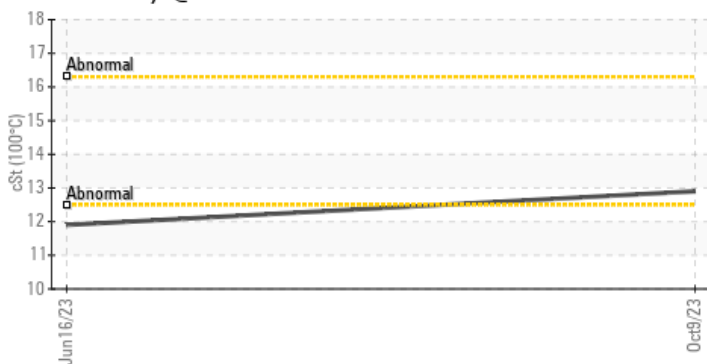
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

