



CONSTRUCTION EQUIPMENT

702725 ATLAS ORG VOLVO L70H 624660 - DIESEL ENGINE



Sample No: VCP438838
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 702725 ATLAS ORG



SAMPLE INFORMATION

Sample Number	VCP438838	VCP414646	---	---
Sample Date	24 Apr 2024	19 Sep 2023	---	---
Machine Hours	2978	2014	---	---
Oil Hours	500	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	13.0	7.9	---	---
Base Number (BN)	mg KOH/g	8.4	1.9	---	---
Oxidation (PA)	%	73	17	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	1	0.3	---	---
Nitration (PA)	%	82	33	---	---
Sulfation (PA)	%	66	34	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.5	---	---
Silicon	ppm	6	4	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	3	2	---	---



WEAR METALS

Iron	ppm	54	65	---	---
Copper	ppm	2	1	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	7	4	---	---
Chromium	ppm	2	1	---	---
Molybdenum	ppm	43	8	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1633	253	---	---
Magnesium	ppm	501	52	---	---
Zinc	ppm	1097	533	---	---
Phosphorus	ppm	981	421	---	---
Barium	ppm	0	0	---	---
Boron	ppm	34	0	---	---

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 11036737
Signed: Wes Davis
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT

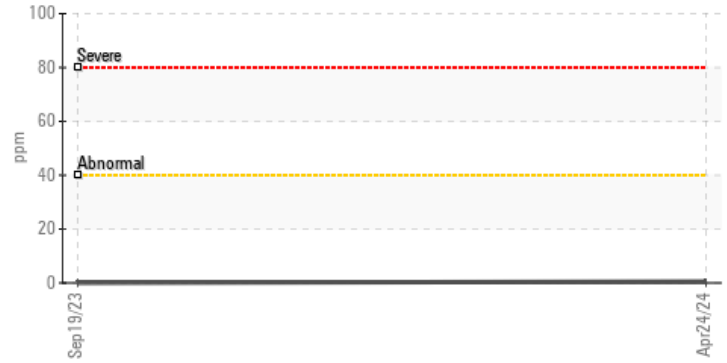


GRAPHS

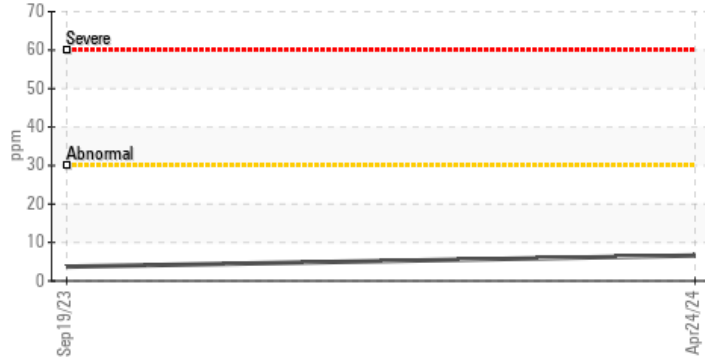
Iron (ppm)



Lead (ppm)



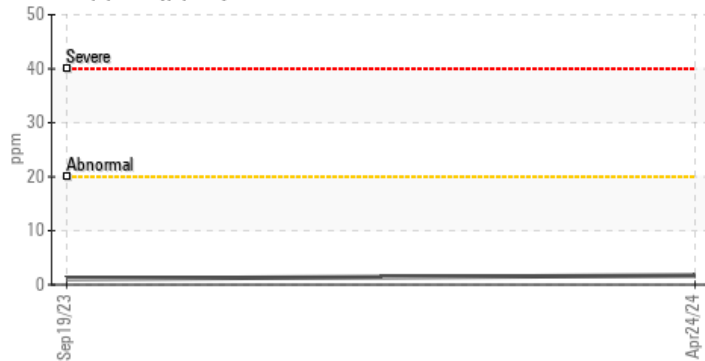
Aluminum (ppm)



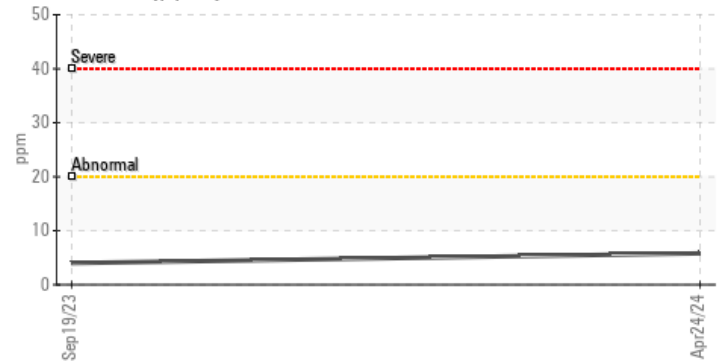
Chromium (ppm)



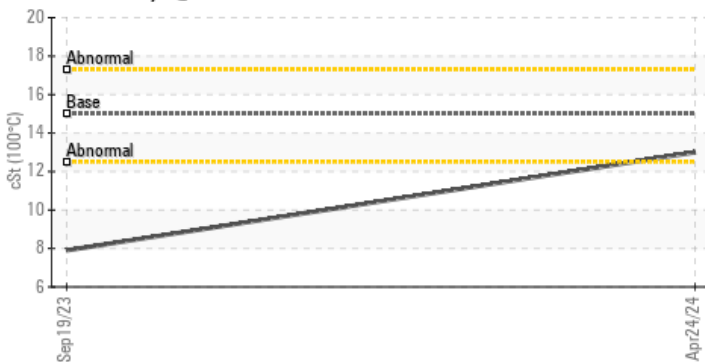
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

