



CONSTRUCTION EQUIPMENT

41614 D&L SITEWORK VOLVO A30G 753380 - DIESEL ENGINE



Sample No: VCP447070
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 41614 D&L SITEWORK



215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: TAMI BROWDER

T: (803)923-2138
 F: (803)791-9920



SAMPLE INFORMATION

Sample Number	VCP447070	VCP429030	---	---
Sample Date	02 Apr 2024	15 Nov 2023	---	---
Machine Hours	1083	622	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.4	11.2	---	---
Base Number (BN)	mg KOH/g	9.4	5.4	---	---
Oxidation (PA)	%	79	59	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.3	0.3	---	---
Nitration (PA)	%	61	78	---	---
Sulfation (PA)	%	62	53	---	---
Glycol	%	0.0	NEG	---	---
Fuel	%	<1.0	0.3	---	---
Silicon	ppm	7	33	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	4	---	---



WEAR METALS

Iron	ppm	12	25	---	---
Copper	ppm	53	416	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	47	84	---	---
Nickel	ppm	3	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	2	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1825	2167	---	---
Magnesium	ppm	499	76	---	---
Zinc	ppm	1161	1184	---	---
Phosphorus	ppm	1000	979	---	---
Barium	ppm	0	0	---	---
Boron	ppm	46	39	---	---

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: VOLVO0013
Unique No: 10965809
Signed: Jonathan Hester
Report Date: 10 Apr 2024

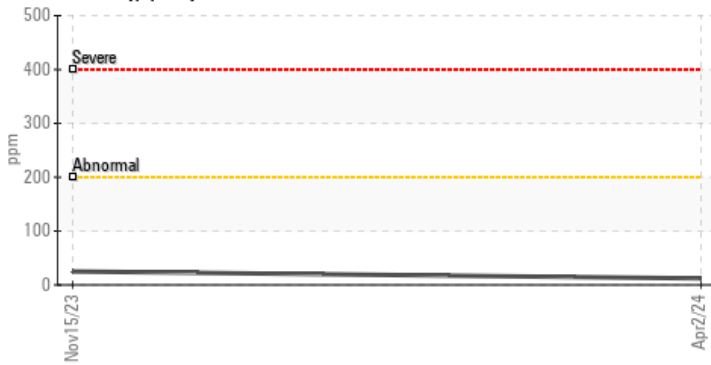


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GRAPHS

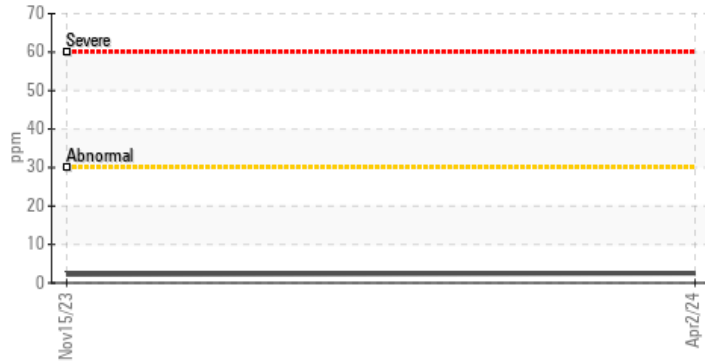
Iron (ppm)



Lead (ppm)



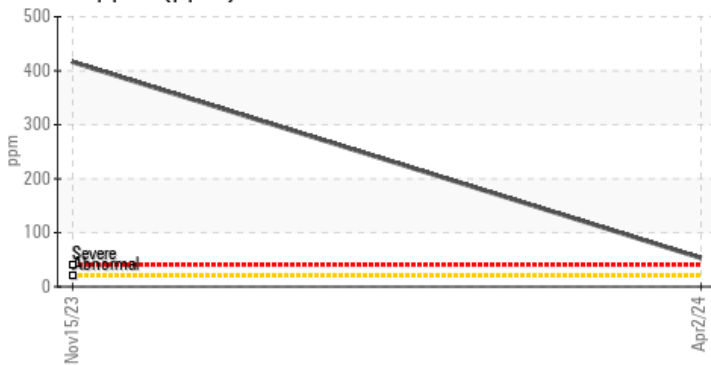
Aluminum (ppm)



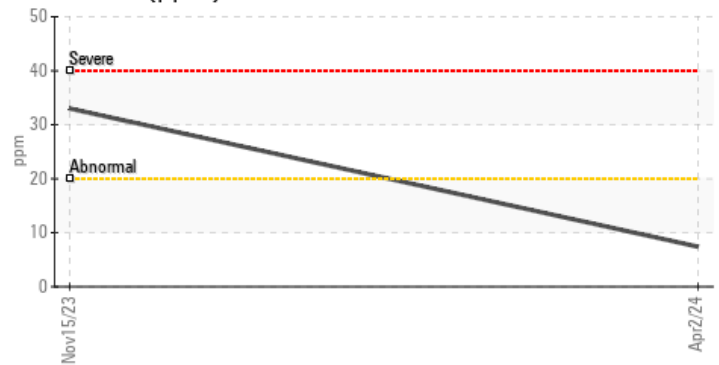
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

