



CONSTRUCTION EQUIPMENT

41765 VOLVO A25G 752067 - DIESEL ENGINE



Sample No: VCP447022
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 41765



SAMPLE INFORMATION

Sample Number	VCP447022	VCP339750	VCP343100	---
Sample Date	03 Apr 2024	01 Apr 2022	23 Nov 2021	---
Machine Hours	2534	1037	531	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	---

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

OIL CONDITION

Visc @ 100°C	cSt	11.1	12.6	10.9	---
Base Number (BN)	mg KOH/g	8.8	9.8	7.8	---
Oxidation (PA)	%	84	85	61	---

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

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. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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

Water	%	NEG	NEG	NEG	---
Soot %	%	0.3	0.2	0.2	---
Nitration (PA)	%	66	77	55	---
Sulfation (PA)	%	65	65	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	0.4	<1.0	0.4	---
Silicon	ppm	8	7	26	---
Sodium	ppm	3	2	0	---
Potassium	ppm	2	<1	4	---

WEAR METALS

Iron	ppm	25	14	26	---
Copper	ppm	66	63	261	---
Lead	ppm	1	2	<1	---
Tin	ppm	2	2	3	---
Aluminum	ppm	6	2	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	40	31	13	---
Nickel	ppm	3	4	3	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	2	---
Manganese	ppm	2	1	3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	1645	1828	2203	---
Magnesium	ppm	462	443	189	---
Zinc	ppm	1030	1109	1136	---
Phosphorus	ppm	898	1001	1042	---
Barium	ppm	0	0	0	---
Boron	ppm	38	43	<1	---

Depot: VOLVO0013
Unique No: 10964418
Signed: Sean Felton
Report Date: 09 Apr 2024

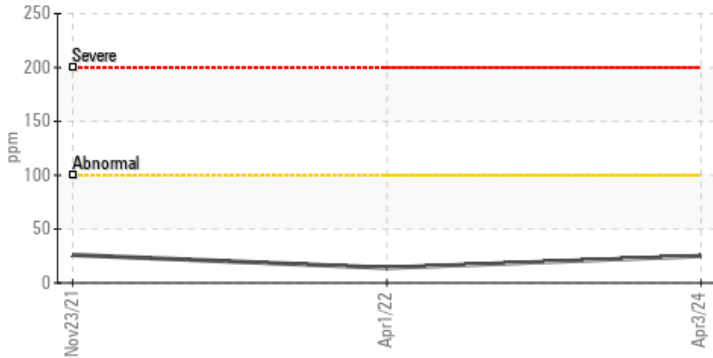


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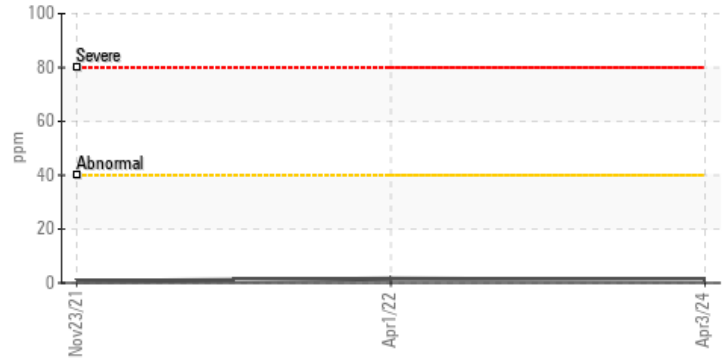


GRAPHS

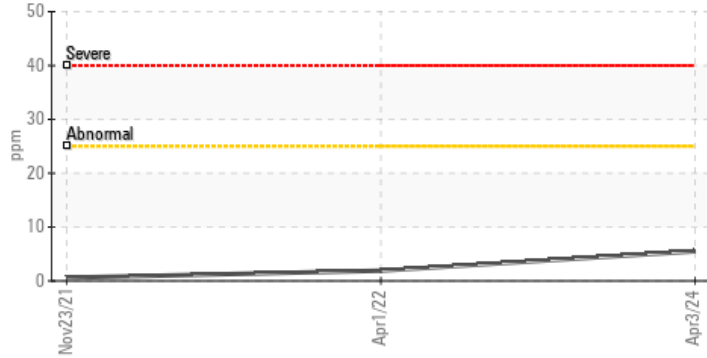
Iron (ppm)



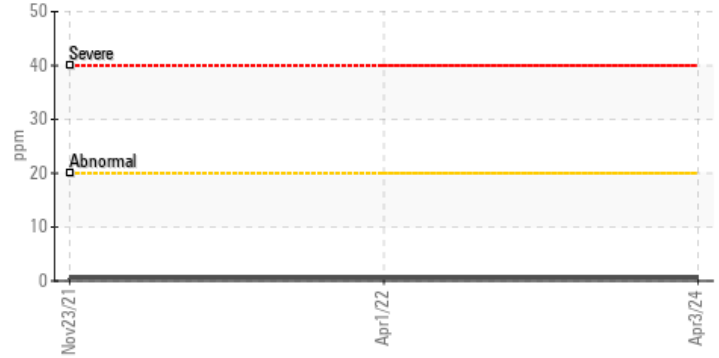
Lead (ppm)



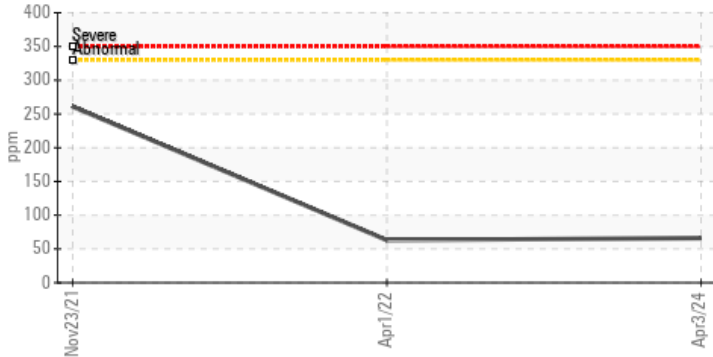
Aluminum (ppm)



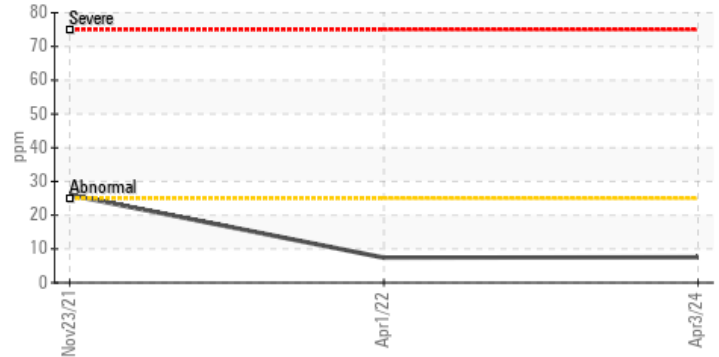
Chromium (ppm)



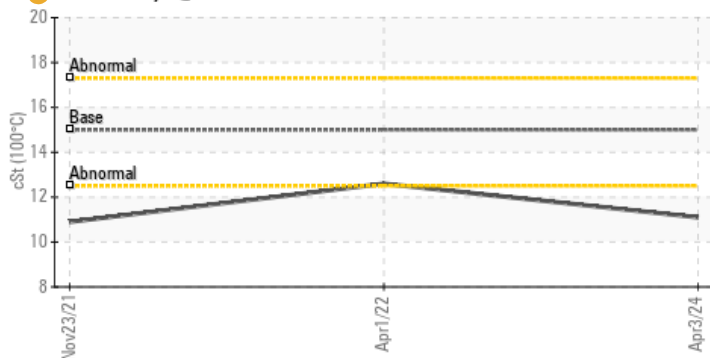
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

