



CONSTRUCTION EQUIPMENT

SWA526801 ALTER TRAD SENNEBOGEN 825 825.0.3662 - DIESEL ENGINE



Sample No: VCP438903
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA526801 ALTER TRAD



SAMPLE INFORMATION

Sample Number	VCP438903	VCP434852	---	---
Sample Date	17 Apr 2024	01 Feb 2024	---	---
Machine Hours	3968	3608	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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 US 61705
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 T: (309)255-6706
 F:



OIL CONDITION

Visc @ 100°C	cSt	13.9	13.4	---	---
Base Number (BN)	mg KOH/g	9.0	8.6	---	---
Oxidation (PA)	%	57	59	---	---

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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	50	53	---	---
Sulfation (PA)	%	51	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	<1	2	---	---



WEAR METALS

Iron	ppm	10	12	---	---
Copper	ppm	4	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	57	54	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1061	984	---	---
Magnesium	ppm	958	939	---	---
Zinc	ppm	1234	1187	---	---
Phosphorus	ppm	1011	986	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	1	2	---	---

Depot: VOLVO5054
Unique No: 10993684
Signed: Angela Borella
Report Date: 25 Apr 2024

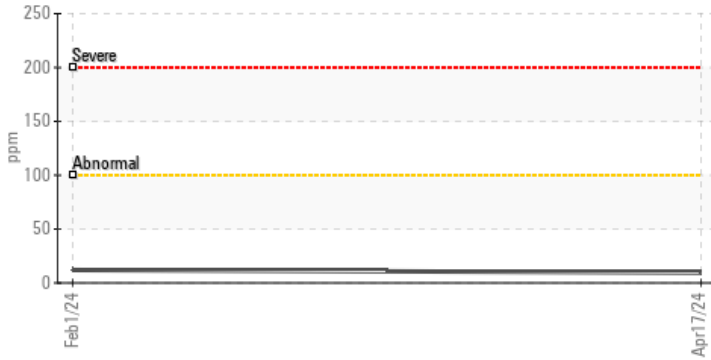


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GRAPHS

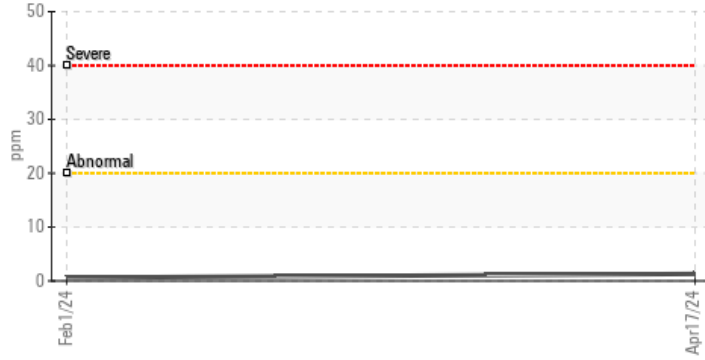
Iron (ppm)



Lead (ppm)



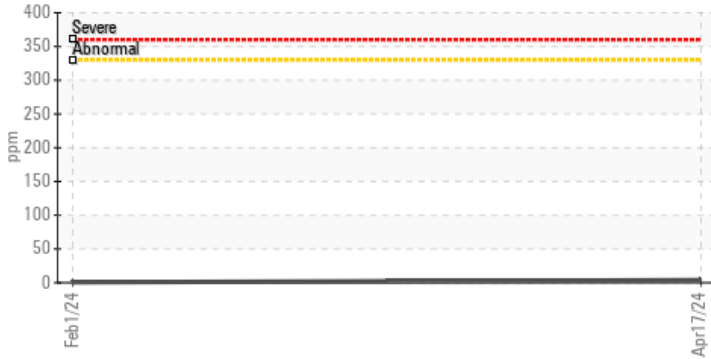
Aluminum (ppm)



Chromium (ppm)



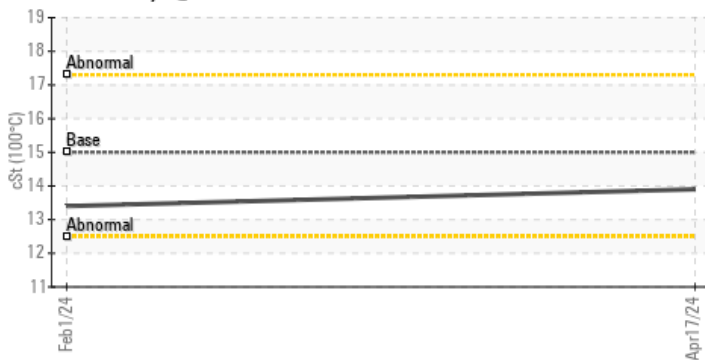
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

