



CONSTRUCTION EQUIPMENT

715079 RENTALS VOLVO A25G 752922 - DIESEL ENGINE



Sample No: VCP451233
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 715079 RENTALS



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SAMPLE INFORMATION

Sample Number	VCP451233	VCP438295	---	---
Sample Date	06 May 2024	29 Jan 2024	---	---
Machine Hours	1092	549	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 100°C	cSt	12.6	11.3	---	---
Base Number (BN)	mg KOH/g	8.6	5.4	---	---
Oxidation (PA)	%	82	67	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.2	0.3	---	---
Nitration (PA)	%	68	88	---	---
Sulfation (PA)	%	63	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	0.5	---	---
Silicon	ppm	7	26	---	---
Sodium	ppm	4	3	---	---
Potassium	ppm	0	3	---	---



WEAR METALS

Iron	ppm	8	22	---	---
Copper	ppm	68	210	---	---
Lead	ppm	0	3	---	---
Tin	ppm	0	3	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	46	76	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1760	1779	---	---
Magnesium	ppm	442	164	---	---
Zinc	ppm	956	1084	---	---
Phosphorus	ppm	883	908	---	---
Barium	ppm	0	0	---	---
Boron	ppm	37	14	---	---

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: VOLVO0096
Unique No: 11019694
Signed: Wes Davis
Report Date: 10 May 2024

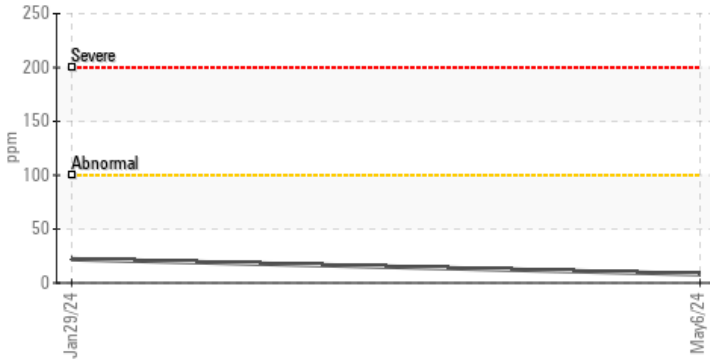


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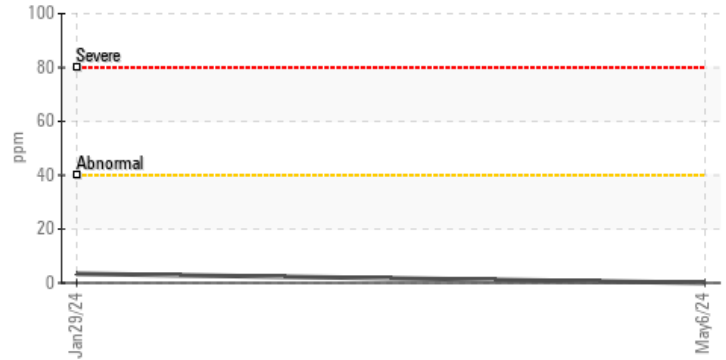


GRAPHS

Iron (ppm)



Lead (ppm)



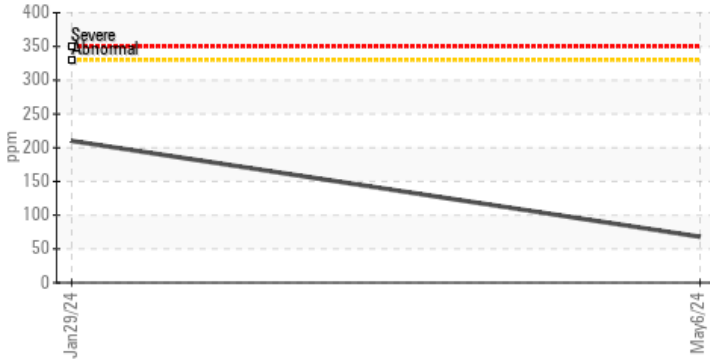
Aluminum (ppm)



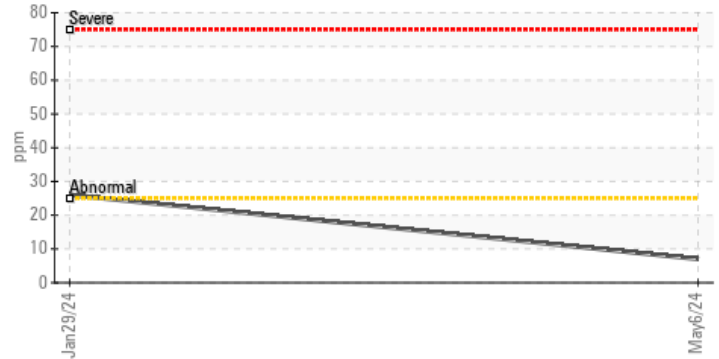
Chromium (ppm)



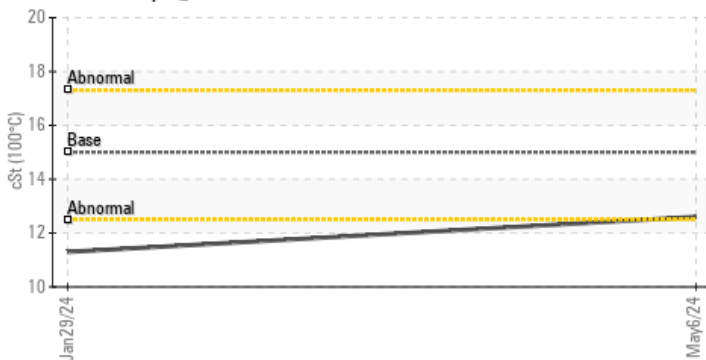
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

