



CONSTRUCTION EQUIPMENT

VOLVO A25G 752602 - DIESEL ENGINE



Sample No: VCP0008751
Oil Type: DIESEL ENGINE OIL SAE 40
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008751	VCP0008752	VCP0007914	---
Sample Date	10 Jun 2024	09 Jun 2024	11 Dec 2023	---
Machine Hours	0	0	0	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	SEVERE	ABNORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.9	12.6	10.89	---
Base Number (BN)	mg KOH/g	8.7	6.7	5.0	---
Oxidation (PA)	%	81	86	70	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.5	0.8	0.6	---
Nitration (PA)	%	67	94	93	---
Sulfation (PA)	%	65	67	65	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.0	---
Silicon	ppm	7	8	37	---
Sodium	ppm	3	3	3	---
Potassium	ppm	4	2	2	---



WEAR METALS

Iron	ppm	14	28	36	---
Copper	ppm	17	44	166	---
Lead	ppm	<1	1	3	---
Tin	ppm	<1	2	2	---
Aluminum	ppm	3	3	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	52	40	74	---
Nickel	ppm	2	7	2	---
Titanium	ppm	0	2	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	2	5	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

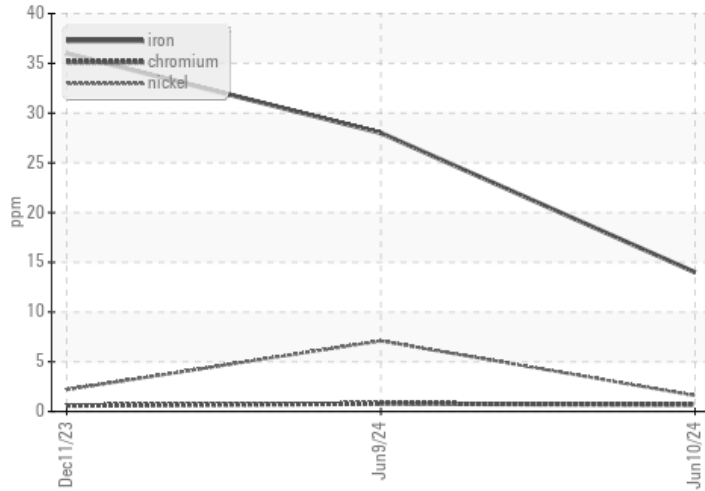
Calcium	ppm	1906	2058	2036	---
Magnesium	ppm	529	392	98	---
Zinc	ppm	1149	1147	1140	---
Phosphorus	ppm	964	872	978	---
Barium	ppm	0	0	0	---
Boron	ppm	56	18	7	---

Depot: VOLVO0092
Unique No: 11074876
Signed: Wes Davis
Report Date: 13 Jun 2024

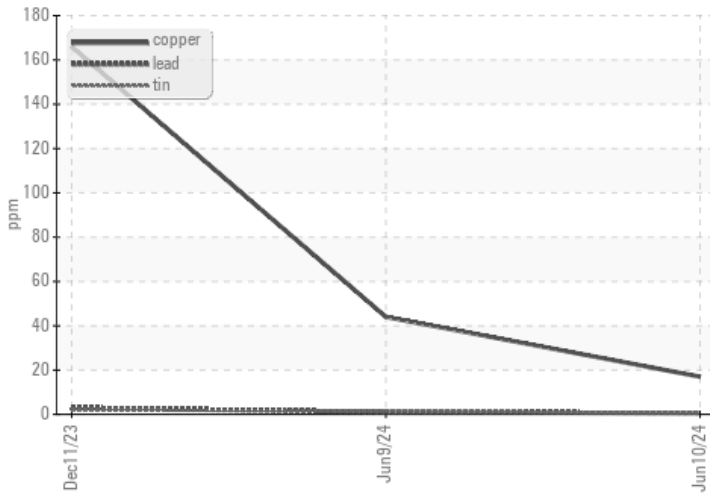


GRAPHS

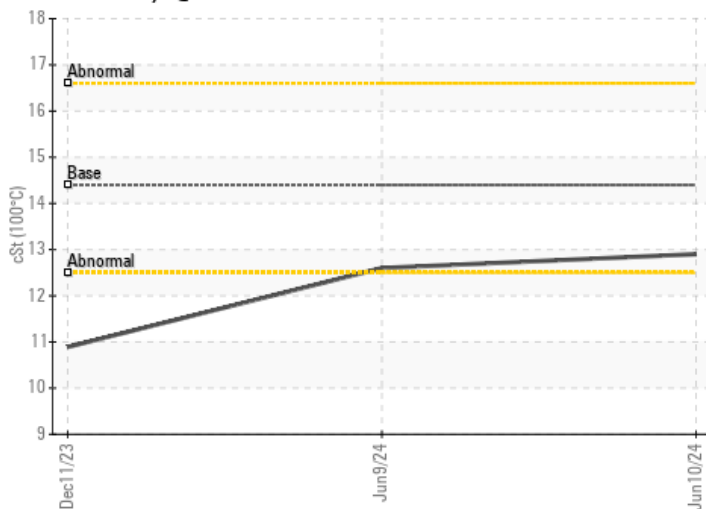
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

