



CONSTRUCTION EQUIPMENT

VOLVO A25G 752029 - DIESEL ENGINE



Sample No: VCP0008462

Oil Type: DIESEL ENGINE OIL SAE 40

Job No:



SAMPLE INFORMATION

Sample Number	VCP0008462	VCP0007762	VCP0006169	VCP317159
Sample Date	06 Jun 2024	22 Jan 2024	07 Dec 2022	27 Aug 2021
Machine Hours	4074	4074	2283	2283
Oil Hours	2283	4074	2283	500
Oil Changed	N/A	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: SHAWN NORTHCRAFT
 shawn.northcraft@altg.com
 T: (904)737-6000
 F: (904)737-1260



OIL CONDITION

Visc @ 100°C	cSt	12.7	12.4	13.1	12.3
Base Number (BN)	mg KOH/g	7.0	9.8	11.0	---
Oxidation (PA)	%	55	80	87	82

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	NEG
Soot %	%	0.3	0.2	0.6	0.4
Nitration (PA)	%	70	59	71	67
Sulfation (PA)	%	51	60	68	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.3	<1.0	<1.0
Silicon	ppm	4	3	5	3
Sodium	ppm	<1	0	1	2
Potassium	ppm	7	0	<1	0



WEAR METALS

Iron	ppm	7	5	10	9
Copper	ppm	1	<1	1	6
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	7	5	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	87	37	45	40
Nickel	ppm	<1	2	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2052	1569	1687	1625
Magnesium	ppm	87	456	489	500
Zinc	ppm	1173	1056	1106	1082
Phosphorus	ppm	957	915	906	891
Barium	ppm	0	<1	0	0
Boron	ppm	68	43	32	33

Depot: VOLVO0092
Unique No: 11073616
Signed: Wes Davis
Report Date: 12 Jun 2024

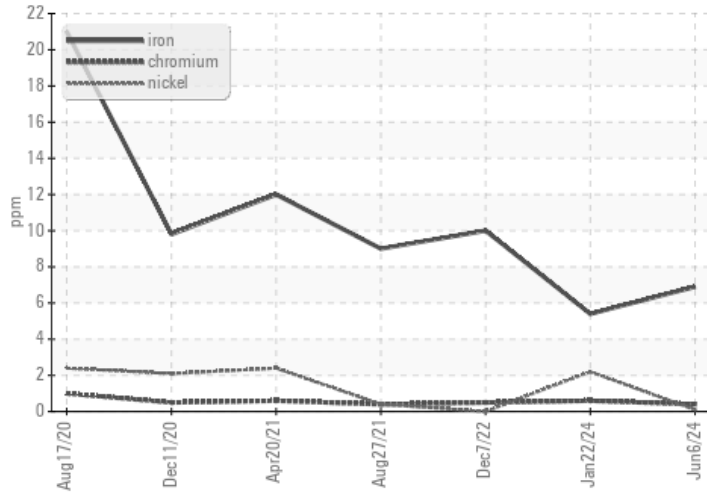


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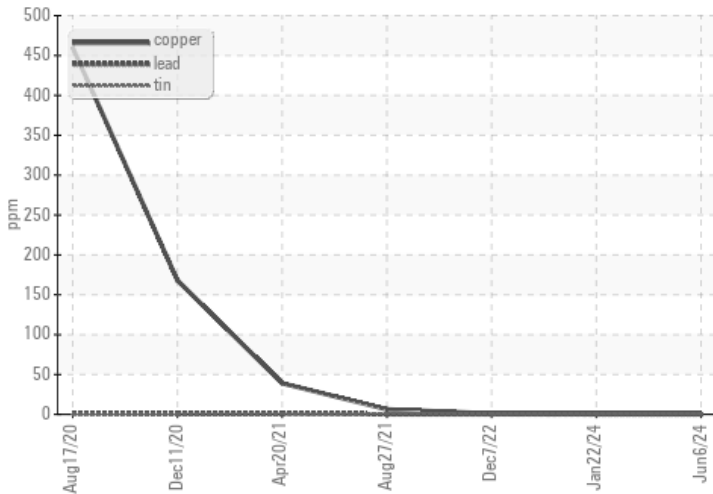


GRAPHS

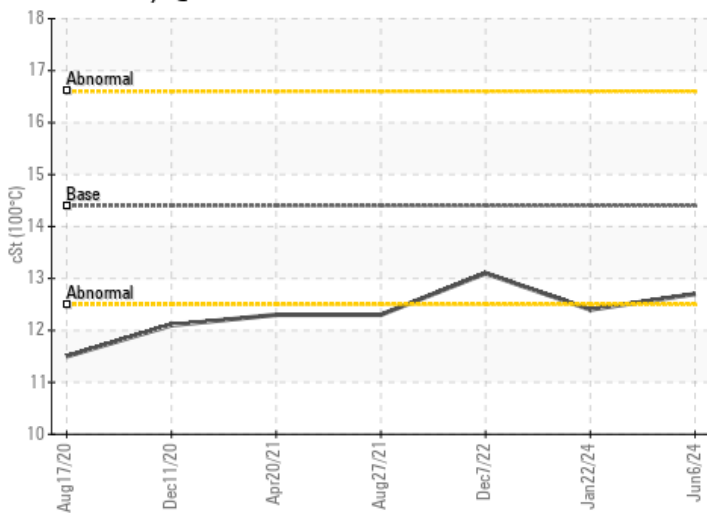
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



Base Number

