

CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - DIESEL ENGINE



Sample No: VCP450808

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number	-	VCP450808	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
VOLVO	TION			
OIL CONDI	IUN		_	
Visc @ 100°C	cSt	<u> </u>	 	
Base Number (BN)	mg KOH/g	6.3	 	
Oxidation (PA)	%	84	 	
CONTAMIN	IATION			
Water	%	NEG	 	
Soot %	%	■0.4	 	
Nitration (PA)	%	83	 	
Sulfation (PA)	%	64	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.2	 	
Silicon	ppm	■8	 	
Sodium	ppm	2	 	
Potassium	ppm	■<1	 	
VOLVO				
WEAR ME	TALS			
Iron		11	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	0		
Tin	ppm	0	 	
Aluminum	ppm			
Chromium	ppm	□ <1		
	ppm	· -	 	
Molybdenum	ppm	43	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm		 	
Vanadium	ppm	0	 	
VOLVO				
ADDITIVES	7			
Calcium	ppm	1705	 	
Magnesium	ppm	379	 	
Zinc	ppm	■ 953	 	
Phosphorus	ррт	781	 	
Barium	ppm	0	 	
Boron	ppm	9	 	
DOTOIT	phili			



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com

F: (239)481-3302

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal.

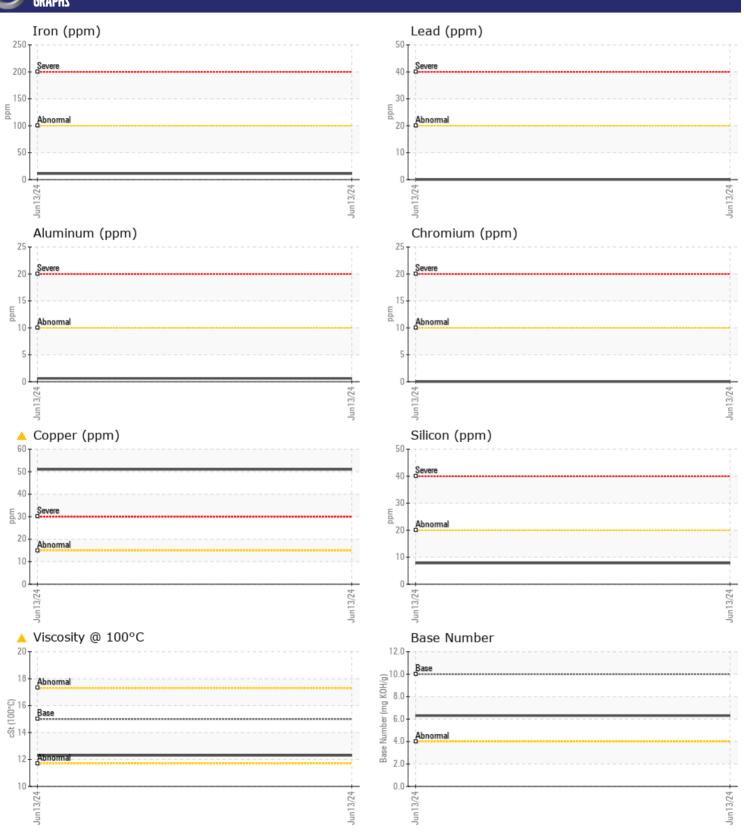
Depot:VOLVO0090Unique No:11087201Signed:Jonathan HesterReport Date:24 Jun 2024







GRAPH





CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - TRANSMISSION (AUTO)



Sample No: VCP450810

Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102

Job No:

SAMPLE	INFORMATIO	N		
Sample Number		VCP450810	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Hours Oil Changed		Not Changd		
Sample Status		ABNORMAL	 	
VOLVO				
OIL CON	DITION			
Visc @ 40°C	cSt	27.1	 	
VOLVO				
LONIAN	MINATION			
Water	%	NEG	 	
Silicon	ppm	1 4	 	
Sodium	ppm	■ 5	 	
Potassium	ppm	■ 3	 	
WEAR N	AETAL C			
_	JE I WEZ			
Iron	ppm	■39	 	
Copper	ppm	■55	 	
Lead	ppm	■ <1	 	
Tin	ppm	6	 	
Aluminum	ppm	■20	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	■<1	 	
Nickel	ppm	<u>^</u> 8	 	
Titanium	ppm	<1	 	
Silver	ppm	■ 0	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	
ADDITIV	JFS			
_	_	-72		
Calcium	ppm	72	 	
Magnesium 	ppm	1	 	
Zinc	ppm	10	 	
Phosphorus	ppm	192	 	
Barium	ppm	2	 	
Boron	ppm	79	 	



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5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com

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F: (239)481-3302

Diagnosis

We recommend that you drain the oil at the next service. Resample at the next service interval to monitor. The nickel level is abnormal. Moderate concentration of visible metal present. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot:VOLVO0090Unique No:11088058Signed:Sean FeltonReport Date:21 Jun 2024

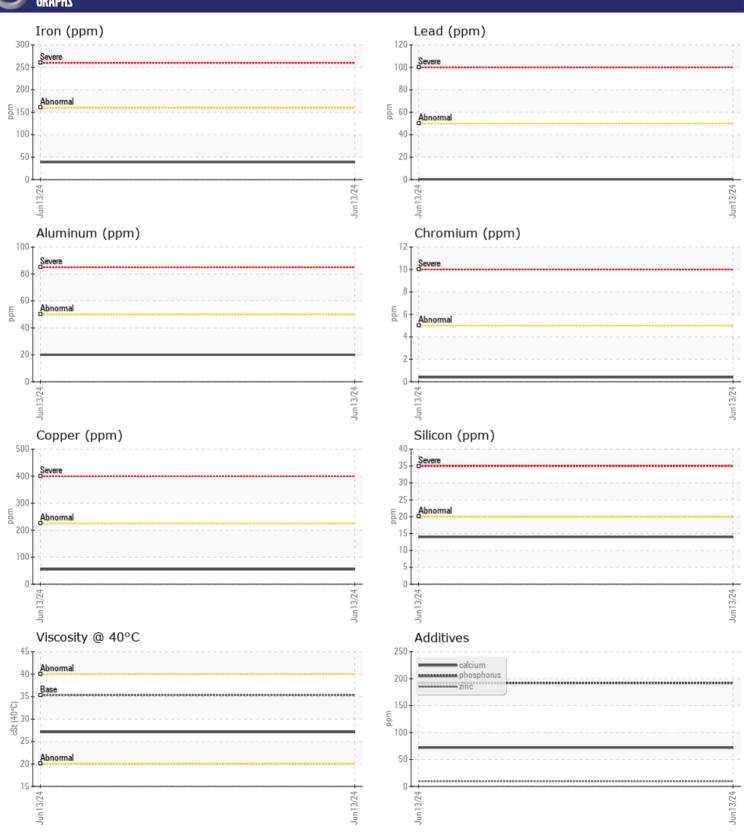
Contact/Location: TODD LARK - VOLVO0090







GRAPHS





CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - WET DISC BRAKE



Sample No: VCP450809

Oil Type: VOLVO WET BRAKE TRANSAXLE OIL

Job No:

SAMPLE	INFORMATION			
Sample Number		VCP450809	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CON	DITION			
		- 12.0	 <u>.</u>	
Visc @ 40°C	cSt	43.9	 	
VOLVO				
CONTAM	MINATION			
Water	%	NEG	 	
Silicon	ppm	15	 	
Sodium	ppm	7	 	
Potassium	ppm	■3	 	
WEAR N	AETAL C			
_	JETAL2			
Iron	ppm	■13	 	
Copper	ppm	73	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	3	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	<1	 	
VOLVO				
ADDITIV	IES			
Calcium	ppm	■3937	 	
Magnesium	ppm	6	 	
Zinc	ppm	■1536	 	
Phosphorus	ppm	1293	 	
Barium	ppm	0	 	
Boron	ppm	■118	 	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK

tlark@altaequipfl.com

F: (239)481-3302

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 condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO0090

 Unique No:
 11087974

 Signed:
 Sean Felton

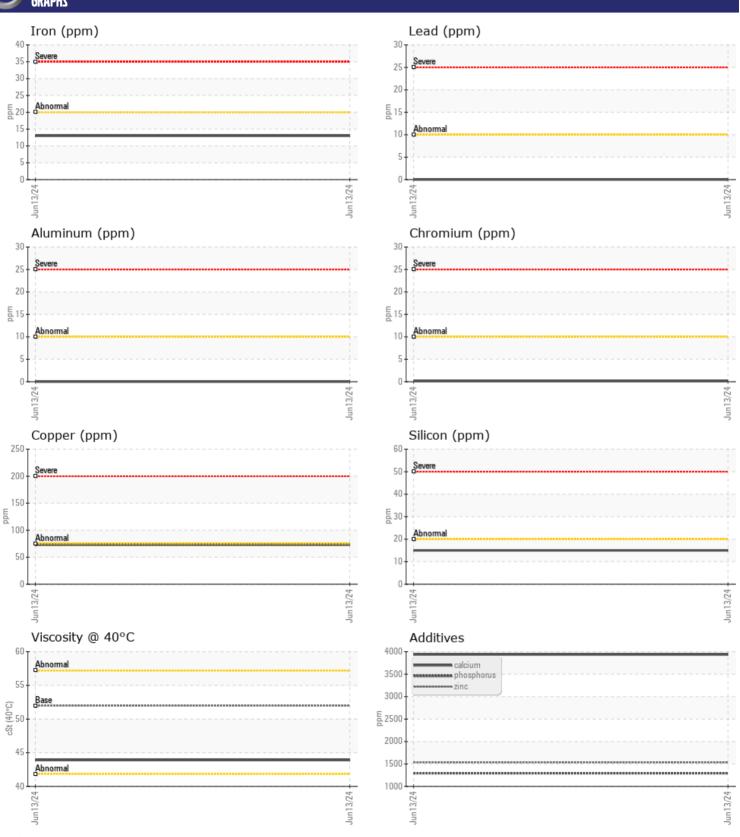
 Report Date:
 21 Jun 2024







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CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - HYDRAULIC SYSTEM



Sample No: VCP450812

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No:

Boron

SAMPLI	E INFORMATION			
Sample Number	•	VCP450812	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ATTENTION	 	
VOLVO	IDITION			
OIL CON				
Visc @ 40°C	cSt	43.5	 	
Acid Number (Al	N) mg KOH/g	■0.39	 	
CUNTAI	MINATION			
_			 	_
Water	%	NEG	 	
Particles >4µm		15427	 	
Particles >6µm		5660	 	
Particles >14µm		320	 	
ISO 4406:1999 (c		21/20/15	 	
Silicon	ppm	■3	 	
Sodium	ppm	0	 	
Potassium	ppm	■<1	 	
WEAR	METALS			
Iron	ppm	4	 	
Copper	ppm	2	 	
Lead	ppm	1	 	
Tin	ppm	■ 0	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	0	 	
Nickel	ppm	O	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIV	VFS			
	<u> </u>	- 67		
Calcium	ppm	■ 67	 	
Magnesium	ppm	2	 	
Zinc	ppm	441	 	
Phosphorus	ppm	■326	 	
Barium	ppm	0	 	



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5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com

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F: (239)481-3302

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VOLVO0090

 Unique No:
 11087443

 Signed:
 Wes Davis

 Report Date:
 20 Jun 2024

ppm

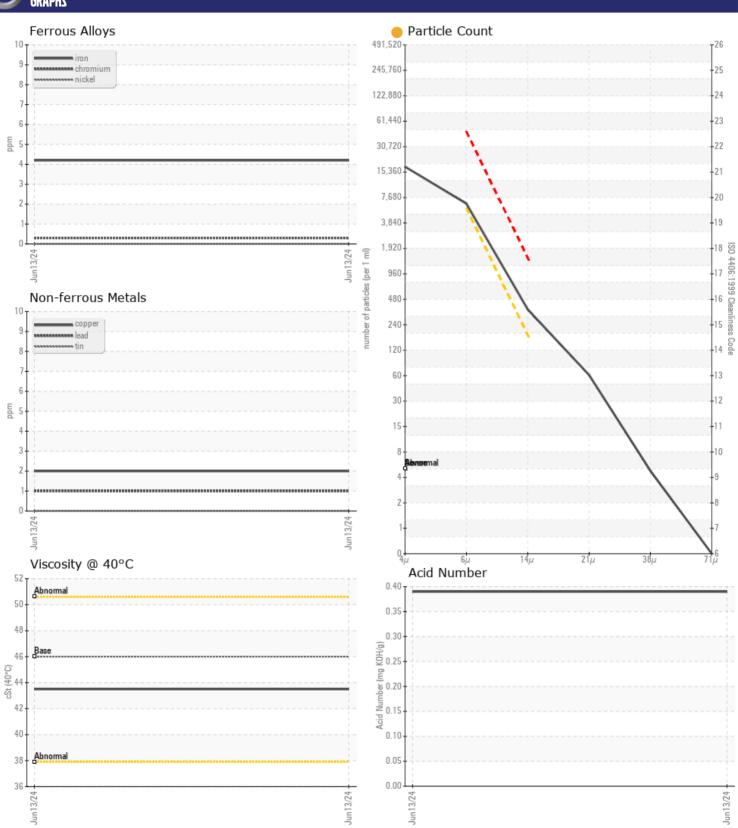
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GRAPHS





CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - FRONT AXLE



Sample No: VCP450813

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:

VOLVO	LINEODMATIO	И		
	E INFORMATIO	N		
Sample Number		VCP450813	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OIL CON	IDITION			
Visc @ 40°C	cSt	107	 	
VOLVO				
CONTAR	MINATION			
Water	%	NEG	 	
Silicon	ppm	■ 6	 	
Sodium		■3	 	
Potassium	ppm	3	 	
rotassium	ppm	3	 	
VOLVO				
WEAR N	METALS			
Iron	ppm	265	 	
Copper	ppm	1	 	
Lead	ppm	0	 	
Tin	ppm	■0	 	
Aluminum	ppm	■ <1	 	
Chromium	ppm	4	 	
Molybdenum	ppm	 11	 	
Nickel	ppm	■0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	15	 	
Vanadium	ppm	<1	 	
VOLVO	VIEC			
ADDITION ADDITION	NE7			
Calcium	ppm	151	 	
Magnesium	ppm	2	 	
Zinc	ppm	67	 	
Phosphorus	ppm	1419	 	
Barium	ppm	1	 	
Boron	ppm	280	 	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com

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F: (239)481-3302

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 oil viscosity is lower than normal. Confirm oil type.

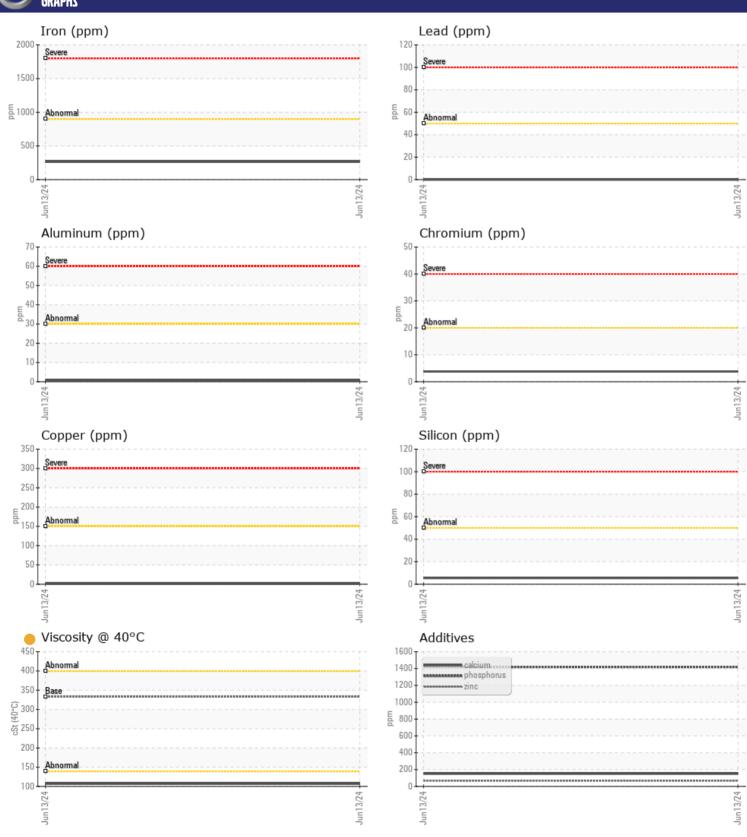
Depot:VOLVO0090Unique No:11087948Signed:Sean FeltonReport Date:21 Jun 2024







GRAPH





CONSTRUCTION EQUIPMENT VOLVO A40G 752088 - DROP BOX



Sample No: VCP450806

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:

SAMPLE	INFORMATIO	N		
Sample Number		VCP450806	 	
Sample Date		13 Jun 2024	 	
Machine Hours		1460	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sumple Status		7151101111712		
VOLVO	DITION			
OIL CONE	JITION			
Visc @ 40°C	cSt	48.4	 	
CONTAM	INΔTION			
_		NEC		
Water	%	NEG	 	
Silicon	ppm	20	 	
Sodium	ppm	12	 	
Potassium	ppm	■ 3	 	
VOLVO				
WEAR M	ETALS			
Iron	ppm	9 4	 	
Copper	ppm	■ 10	 	
Lead	ppm	0	 	
Tin	ppm	■0	 	
Aluminum	ppm	4	 	
Chromium	ppm	- <1	 	
Molybdenum	ppm	6	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	■3	 	
Vanadium	ppm	<1	 	
	10 10 717			
VOLVO	re			
ADDITIV	F2			
Calcium	ppm	■ 54	 	
Magnesium	ppm	■<1	 	
Zinc	ppm	■83	 	
Phosphorus	ppm	2250	 	
Barium	ppm	■0	 	
Boron	ppm	69	 	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com

F: (239)481-3302

Diagnosis

The oil 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. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot:VOLVO0090Unique No:11087977Signed:Sean FeltonReport Date:21 Jun 2024

Contact/Location: TODD LARK - VOLVO0090







