



CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - COOLANT



Sample No: VCP382399
Oil Type: VOLVO COOLANT VCS (YELLOW)
Job No:



SAMPLE INFORMATION

Sample Number	VCP382399	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN

T: (585)344-1931
 F: (315)437-8558



COOLANT CONDITION

pH	Scale 0-14	■ 7.70	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Nitrites	ppm	■ NT	---	---	---
Percentage Glycol	%	■ 50.5	---	---	---
Freezing Point	°C	■ -35	---	---	---

Diagnosis

The fluid is suitable for further service. There is no indication of any contamination in the coolant. The carboxylate level of this fluid is acceptable. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.



CONTAMINATION

Coolant Appearance	normal	---	---	---
Coolant Color	Yllow	---	---	---

Depot: VOLVO0142
Unique No: 10417094
Signed: Jonathan Hester
Report Date: 12 Apr 2023



CONSTRUCTION EQUIPMENT

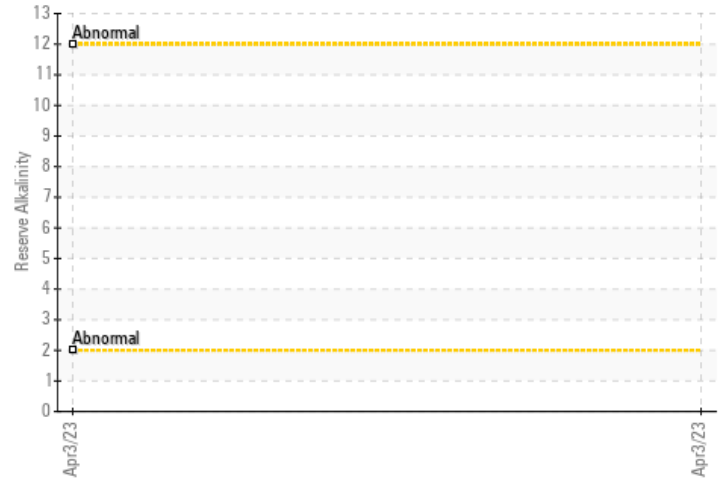


GRAPHS

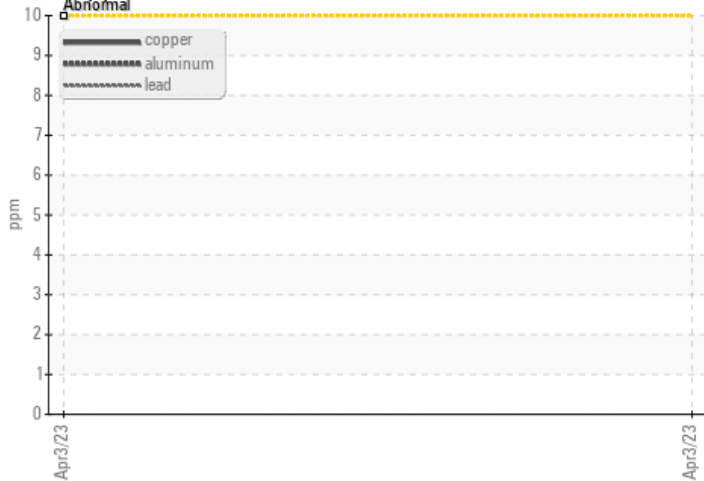
Iron/Tin/Silver



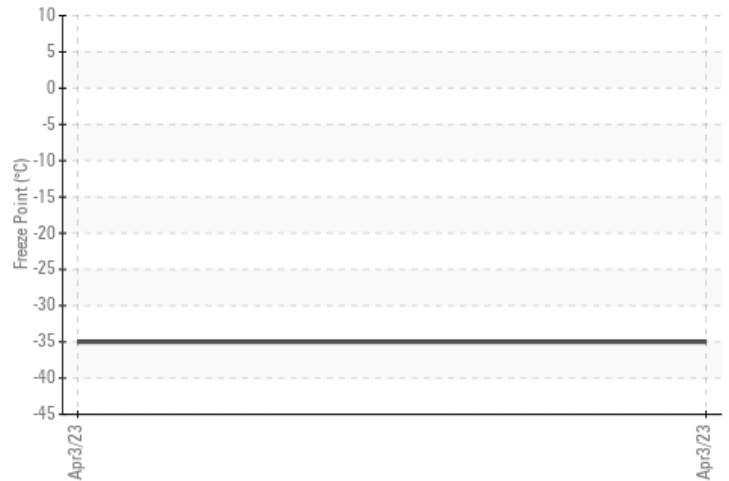
Reserve Alkalinity



Copper/Aluminum/Lead



Freeze Point



pH



Nitrites





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - TRANSMISSION (AUTO)



Sample No: VCP395396
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395396	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	■ 28.73	---	---	---
-------------	-----	---------	-----	-----	-----

T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 34	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. 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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 0	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 70	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 3	---	---	---
Phosphorus	ppm	■ 158	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 101	---	---	---

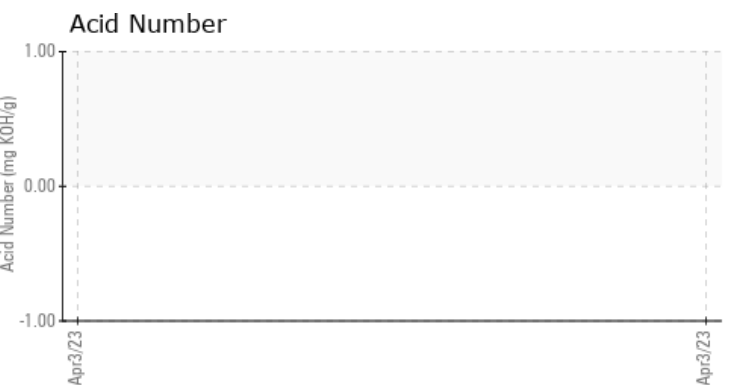
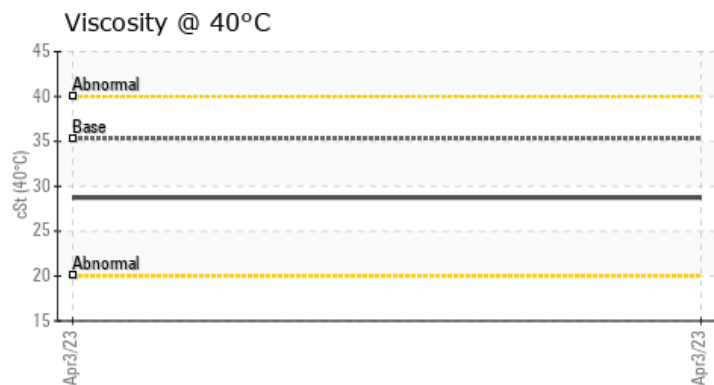
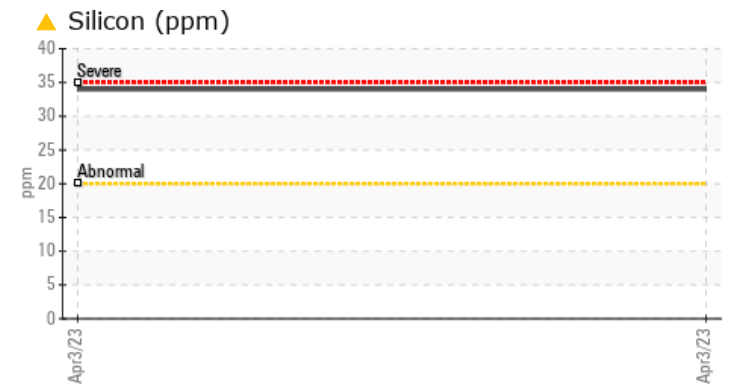
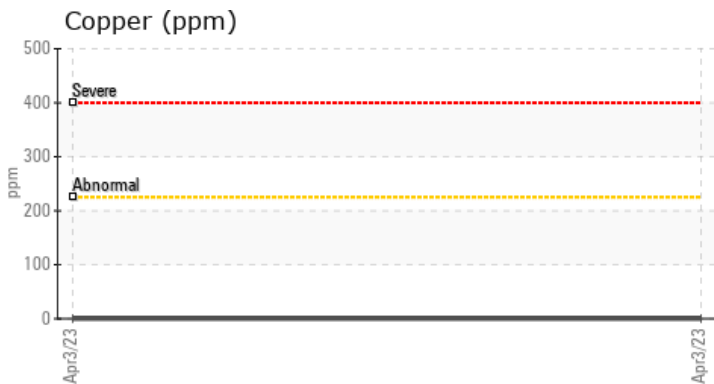
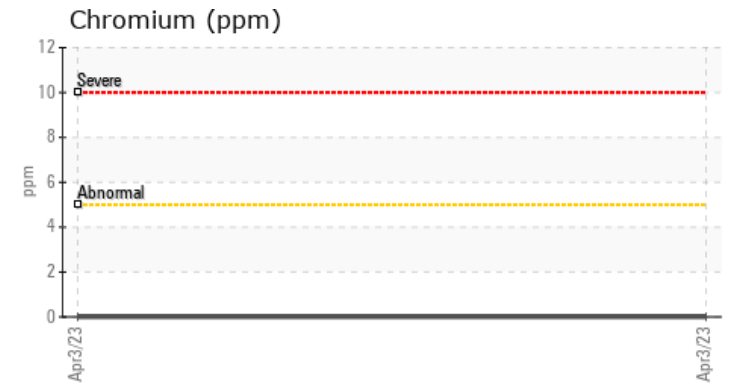
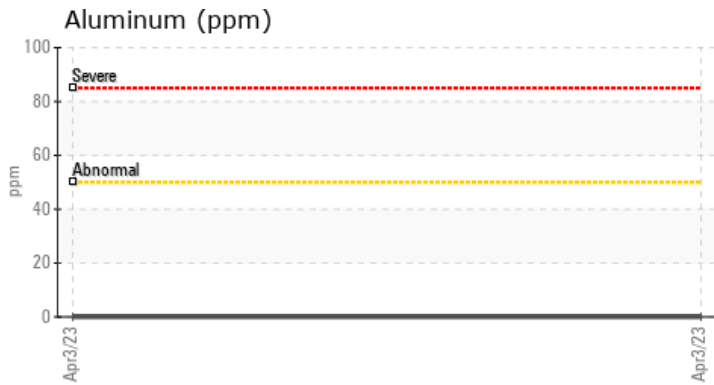
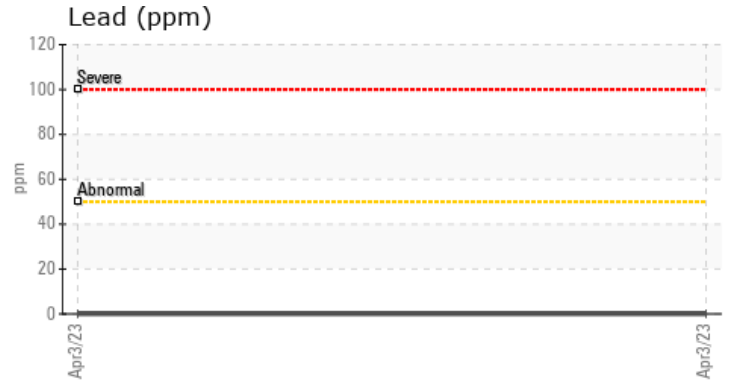
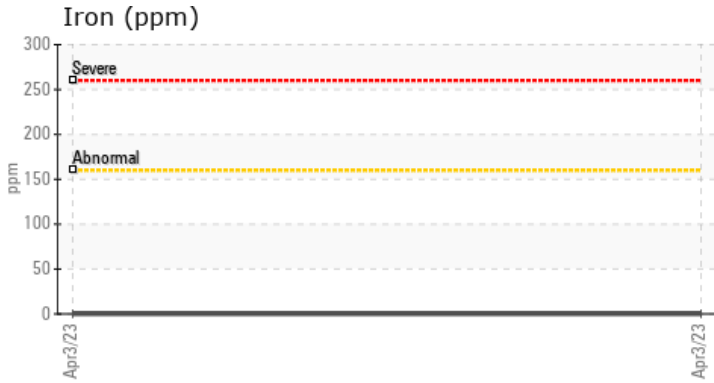
Depot: VOLVO0142
Unique No: 10417066
Signed: Jonathan Hester
Report Date: 12 Apr 2023



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - WET DISC BRAKE



Sample No: VCP395392
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395392	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
-------------	-----	--------	-----	-----	-----

T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.



WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	▲ 238	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3377	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 1279	---	---	---
Phosphorus	ppm	█ 1110	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 125	---	---	---

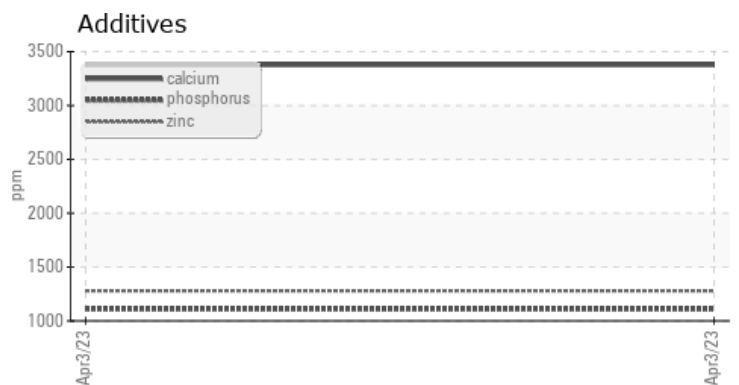
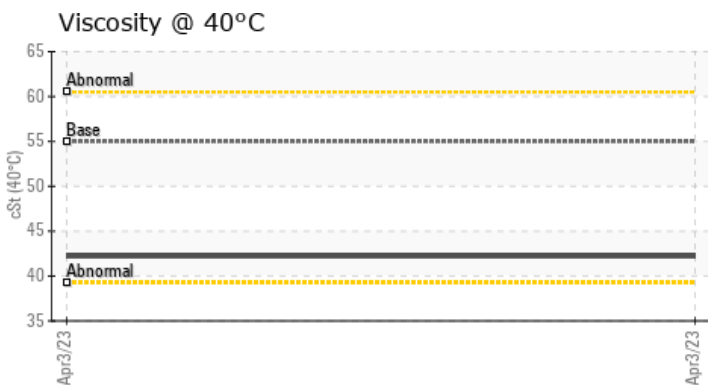
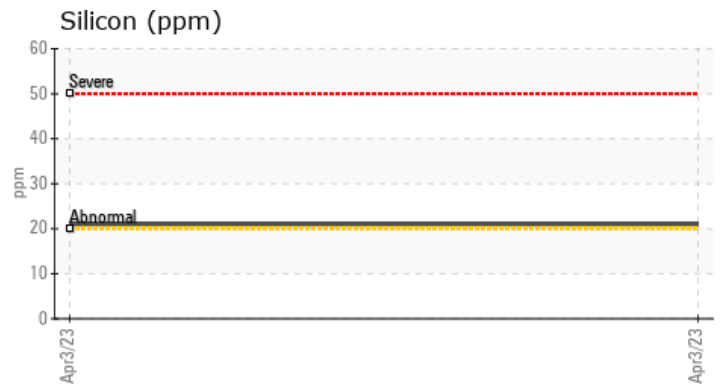
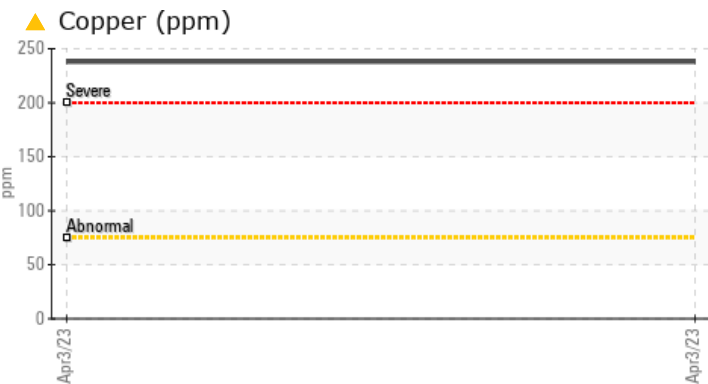
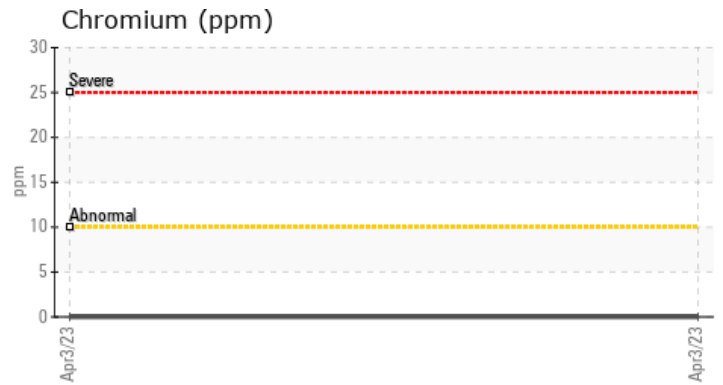
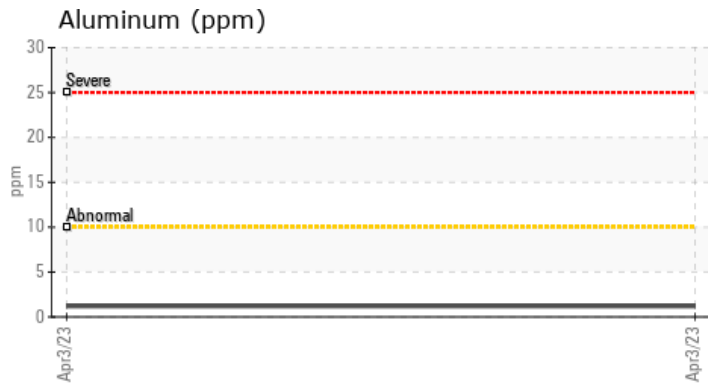
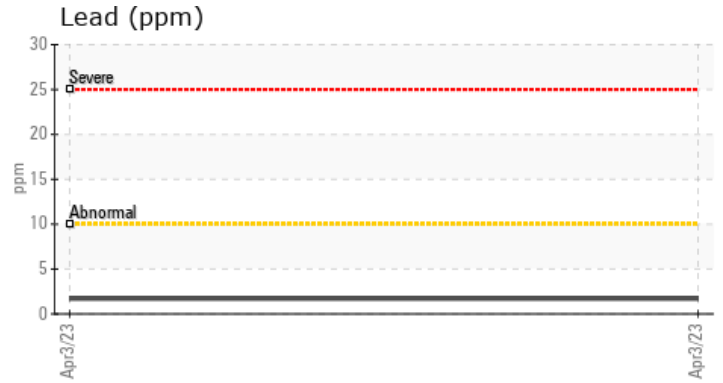
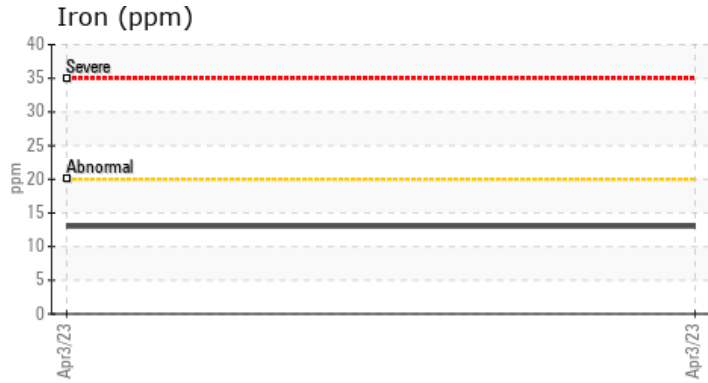
Depot: VOLVO0142
Unique No: 10416975
Signed: Don Baldrige
Report Date: 12 Apr 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - HYDRAULIC SYSTEM



Sample No: VCP395420
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP395420	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	---	---	---

T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5077	---	---	---
Particles >6µm		█ 1357	---	---	---
Particles >14µm		█ 69	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 58	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 434	---	---	---
Phosphorus	ppm	█ 320	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00142
Unique No: 10416659
Signed: Wes Davis
Report Date: 10 Apr 2023

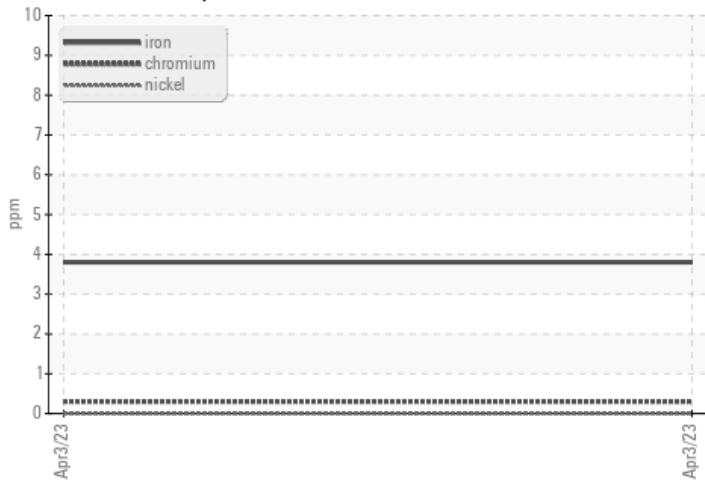


CONSTRUCTION EQUIPMENT

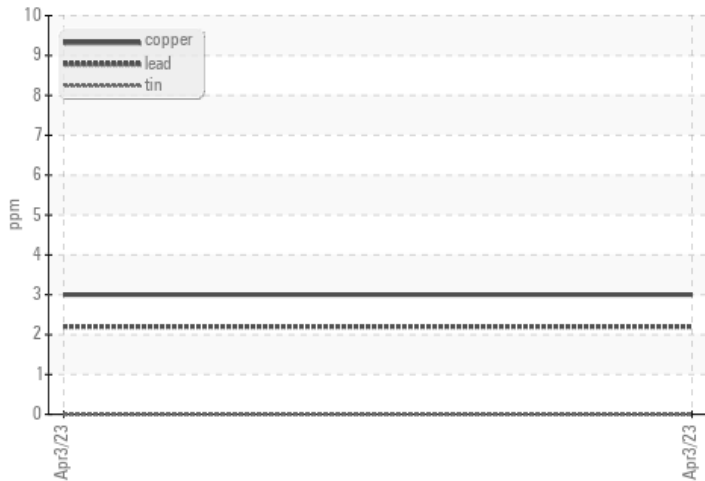


GRAPHS

Ferrous Alloys



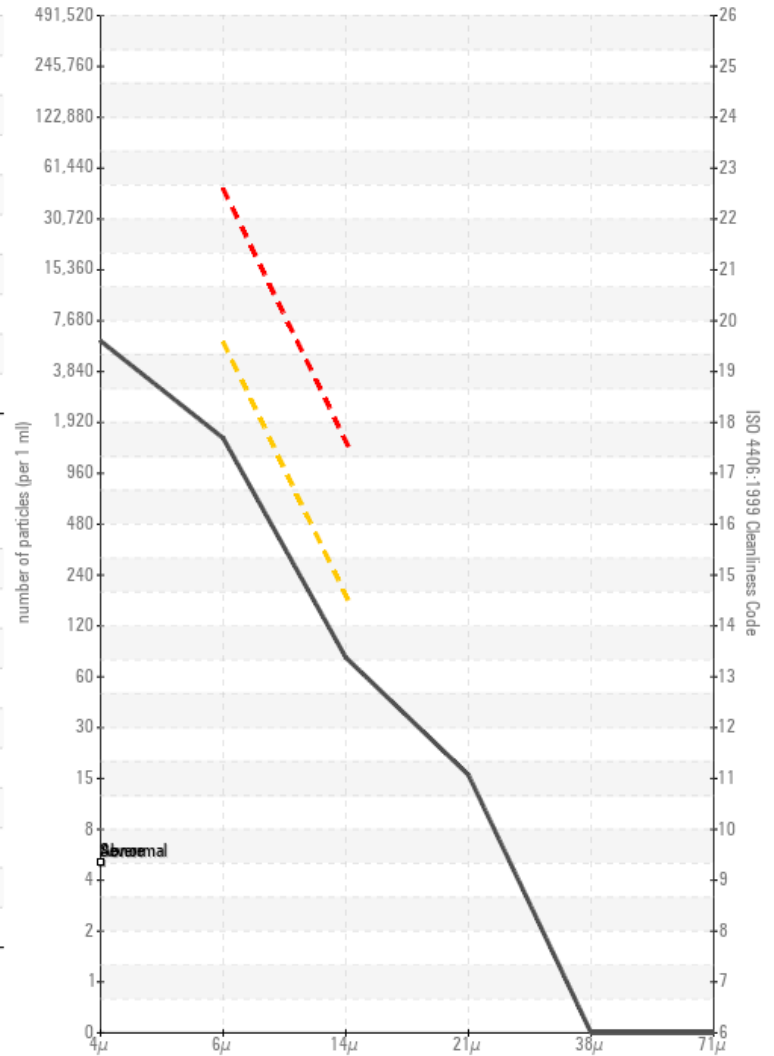
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - FRONT AXLE



Sample No: VCP395416
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395416	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT
 5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	---	---	---
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3809	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 1372	---	---	---
Phosphorus	ppm	█ 1126	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 136	---	---	---

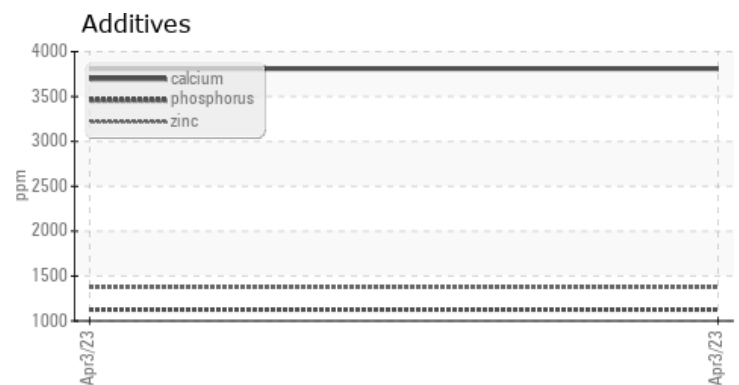
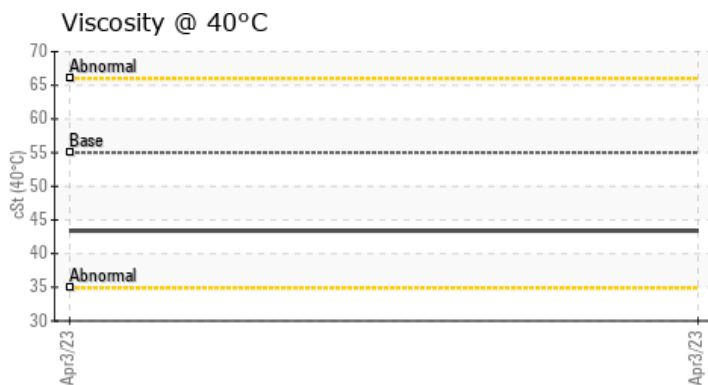
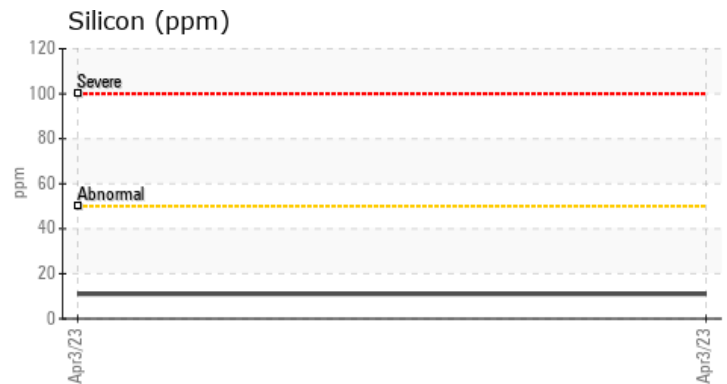
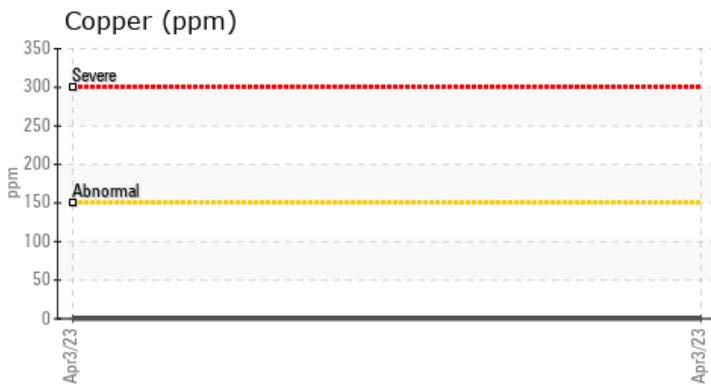
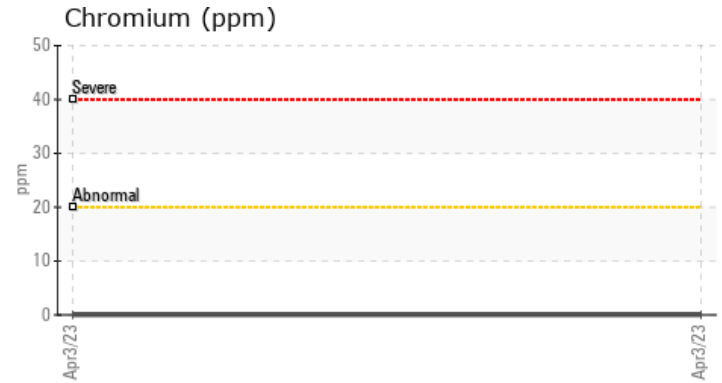
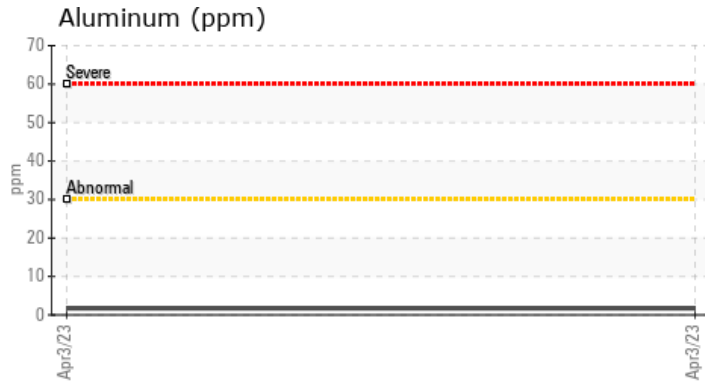
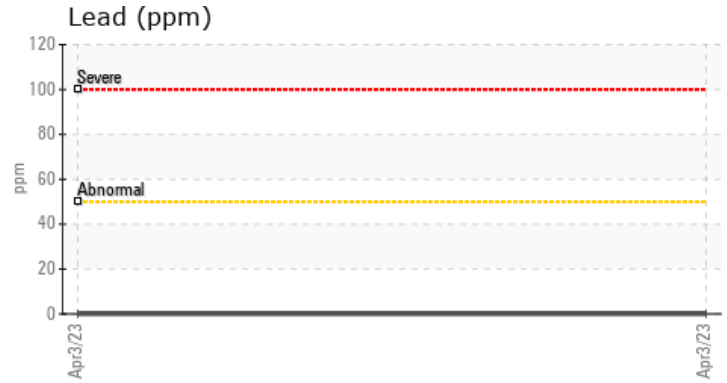
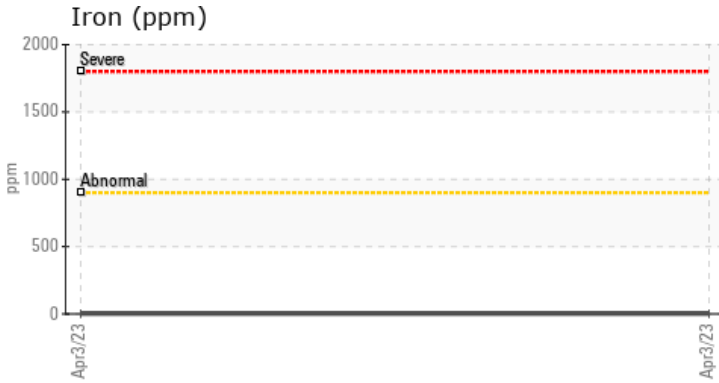
Depot: VOLVO0142
Unique No: 10416976
Signed: Wes Davis
Report Date: 11 Apr 2023



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - BOGIE/CENTER AXLE



Sample No: VCP395381
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395381	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	█ 43.3	---	---	---
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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.



WEAR METALS

Iron	ppm	█ 1	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3830	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 1387	---	---	---
Phosphorus	ppm	█ 1131	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 137	---	---	---

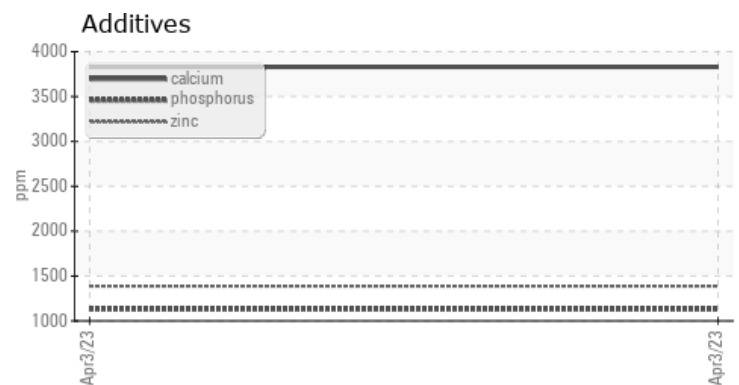
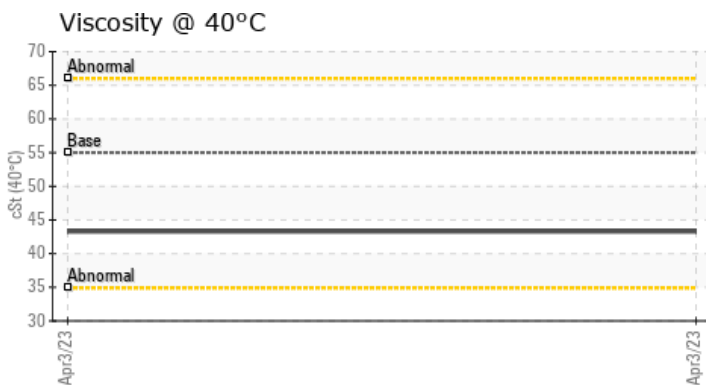
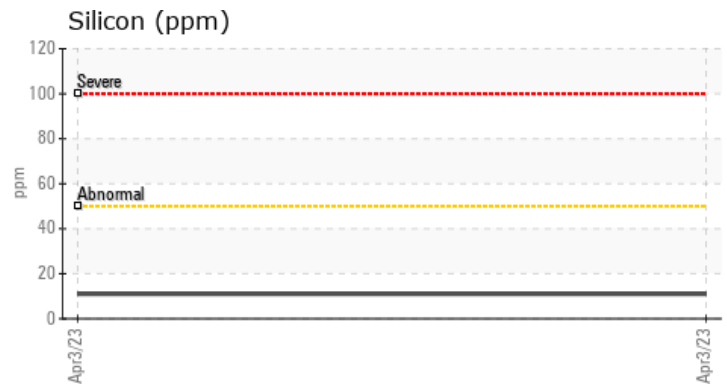
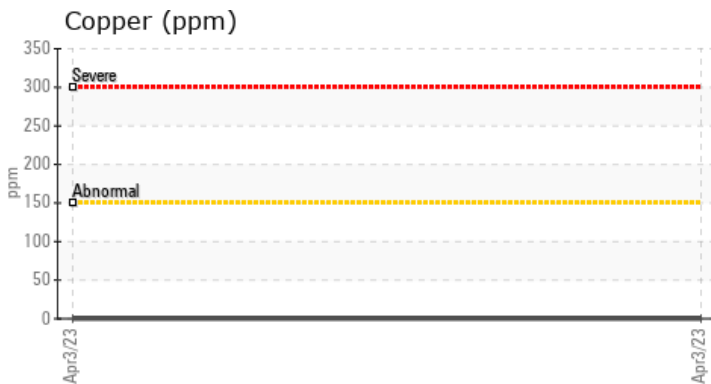
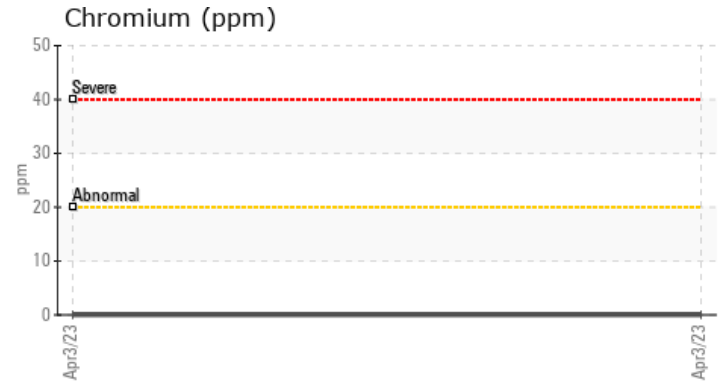
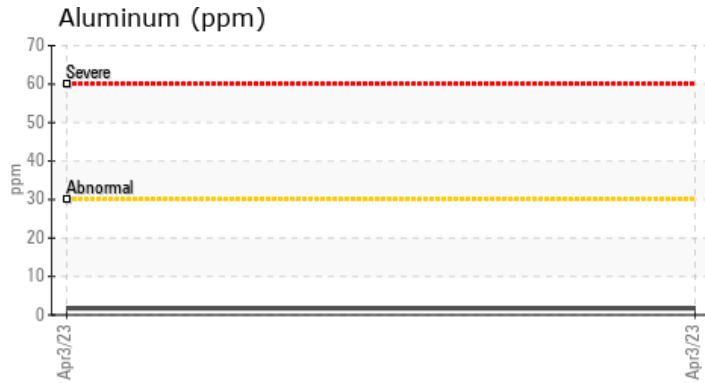
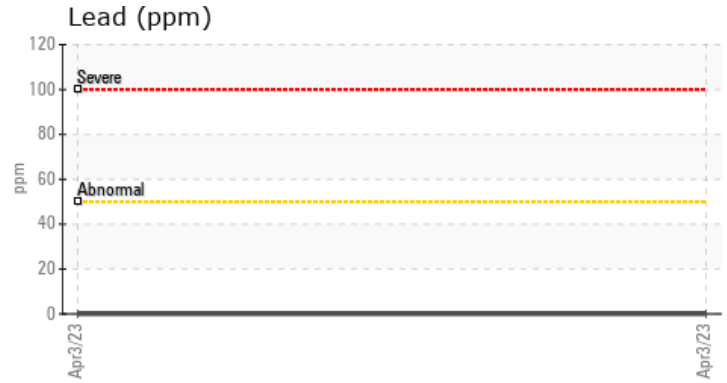
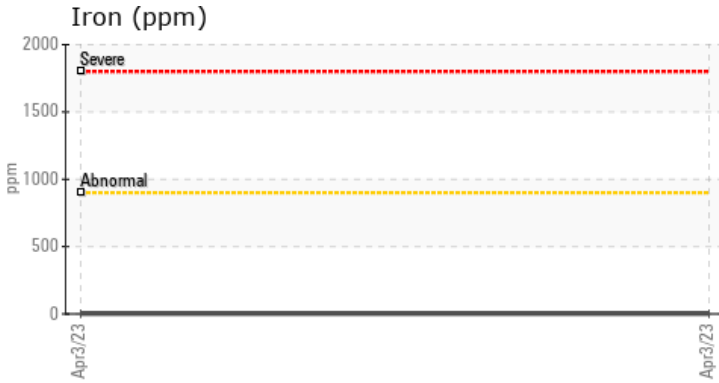
Depot: VOLVO0142
Unique No: 10416977
Signed: Wes Davis
Report Date: 11 Apr 2023



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - REAR AXLE



Sample No: VCP395421
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395421	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	---	---	---
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

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.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 3821	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 1382	---	---	---
Phosphorus	ppm	█ 1127	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 137	---	---	---

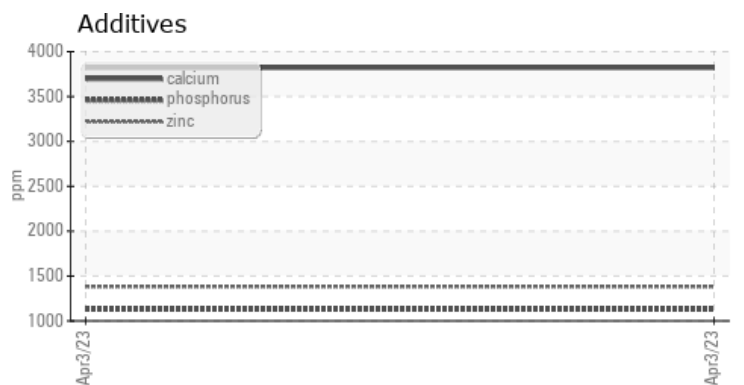
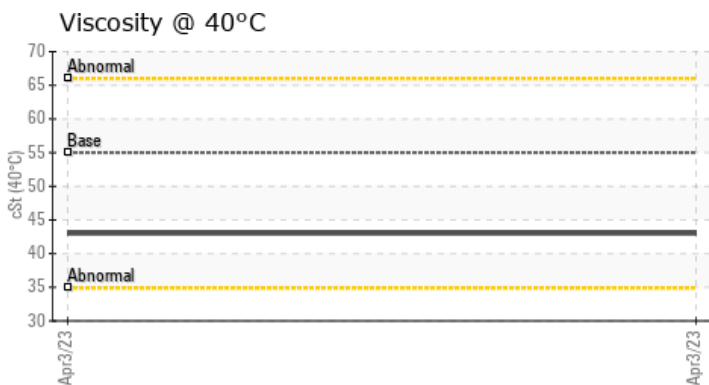
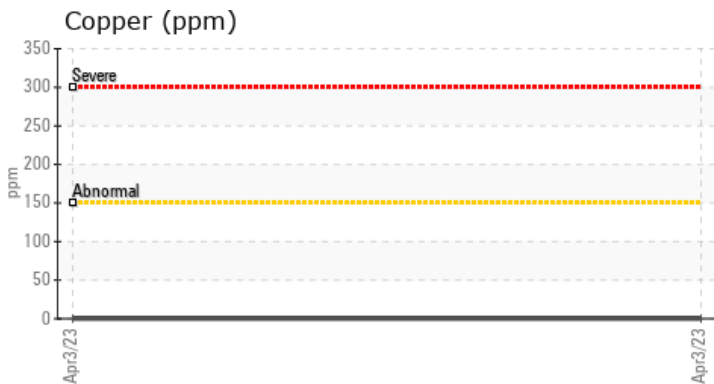
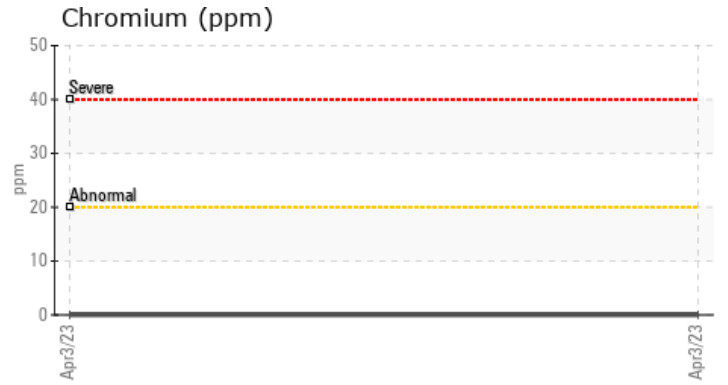
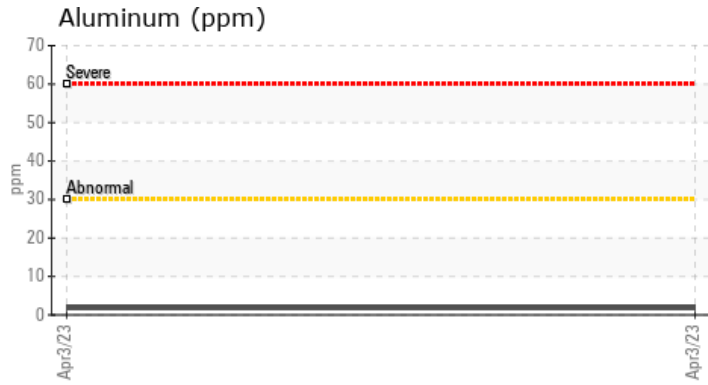
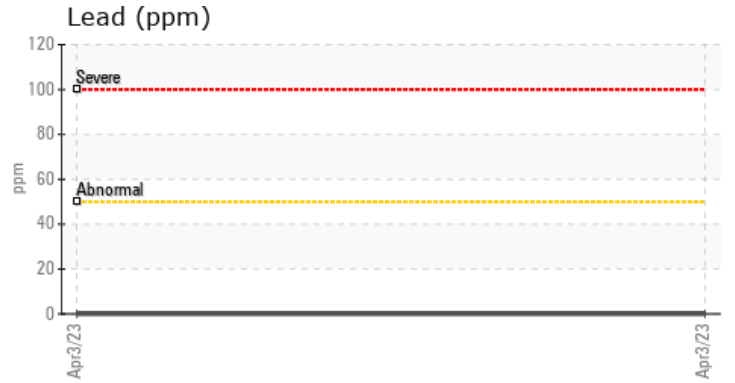
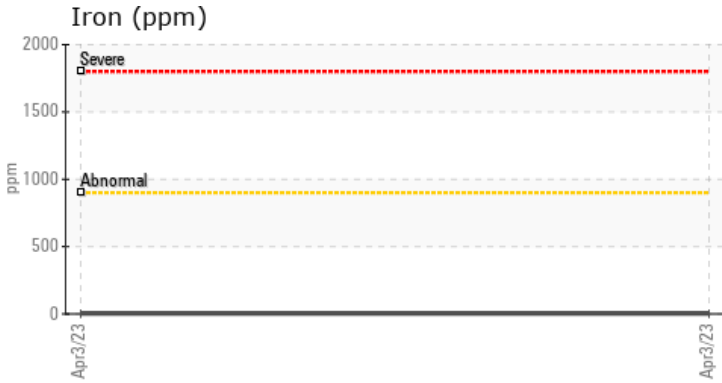
Depot: VOLVO0142
Unique No: 10416973
Signed: Wes Davis
Report Date: 11 Apr 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS





CONSTRUCTION EQUIPMENT

VOLVO A30G 752233 - DROP BOX



Sample No: VCP395387
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

Sample Number	VCP395387	---	---	---
Sample Date	03 Apr 2023	---	---	---
Machine Hours	1100	---	---	---
Oil Hours	1100	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JOSH GAVIN



OIL CONDITION

Visc @ 40°C	cSt	52.2	---	---	---
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T: (585)344-1931
 F: (315)437-8558



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	0	---	---	---

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.



WEAR METALS

Iron	ppm	0	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	27	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	2151	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	298	---	---	---

Depot: VOLVO0142
Unique No: 10416974
Signed: Don Baldrige
Report Date: 12 Apr 2023



CONSTRUCTION EQUIPMENT



GRAPHS

