

SWA380994-1 ALTER SENNEBOGEN 825 825.0.2552 - DIESEL EN

Sample No: VCP384905

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

< 1.0

6

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-<1

Job No: SWA380994-1 ALTER

%

ppm

ppm

ppm

Fuel

Silicon

Sodium

Potassium

SAMPLE II	NFORMATION						
Sample Number	-	VCP384905					
Sample Date		11 Oct 2023					
Machine Hours		9930					
Oil Hours		500					
Oil Changed		Changed					
Sample Status		NORMAL					
OIL CONDI	TION						
Visc @ 100°C	cSt	14.0					
Base Number (BN)	mg KOH/g	■9.5					
Oxidation (PA)	%	67					
CONTAMINATION							
Soot %	%	■0.3					
Nitration (PA)	%	67					
Sulfation (PA)	%	60					
Glycol	%	NEG					

VOLVO				
WEAR	METALS			
Iron	ppm	11	 	
Copper	ppm	■ 0	 	
Lead	ppm	0	 	
Tin	ppm	■0	 	
Aluminum	ppm	■ 3	 	
Chromium	ppm	■ 0	 	
Molybdenum	ppm	257	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■<1	 	
Vanadium	ppm	0	 	

ADDIT	VES			
Calcium	ppm	1562	 	
Magnesium	ppm	■846	 	
Zinc	ppm	1158	 	
Phosphorus	ppm	■941	 	
Barium	ppm	0	 	
Boron	ppm	265	 	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
BLOOMINGTON, IL
US 61705
Contact: JUSTIN PERRY
justin.perry@altg.com
T: (309)533-9285
F:

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.

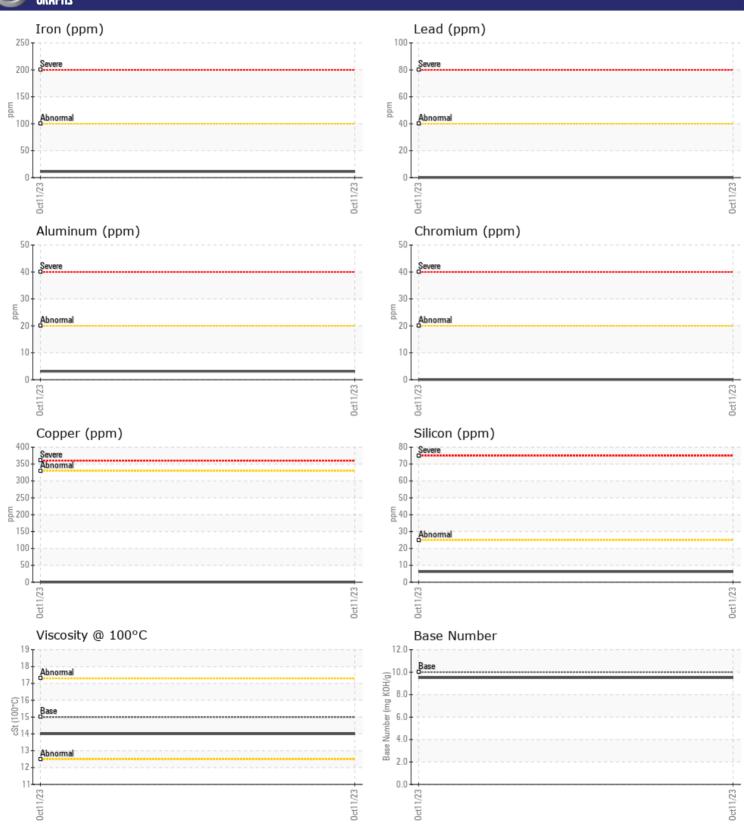
Depot:VOLVO5054Unique No:10699583Signed:Jonathan HesterReport Date:20 Oct 2023







GRAPHS



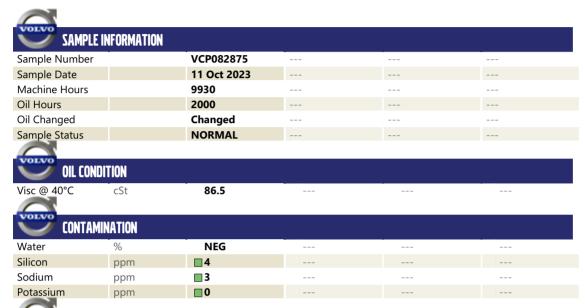


380994-1 ALTER SENNEBOGEN 825 825.0.2552 - TRANSMISSION

Sample No: VCP082875

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

Job No: 380994-1 ALTER



WEAR I	METALS			
Iron	ppm	18	 	
Copper	ppm	■33	 	
Lead	ppm	0	 	
Tin	ppm	■<1	 	
Aluminum	ppm	1	 	
Chromium	ppm	□ 0	 	
Molybdenum	ppm	49	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	
	•••			

ADDITI	VES			
Calcium	ppm	■891	 	
Magnesium	ppm	563	 	
Zinc	ppm	779	 	
Phosphorus	ppm	■873	 	
Barium	ppm	1	 	
Boron	ppm	■82	 	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: JUSTIN PERRY justin.perry@altg.com T: (309)533-9285 F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid.

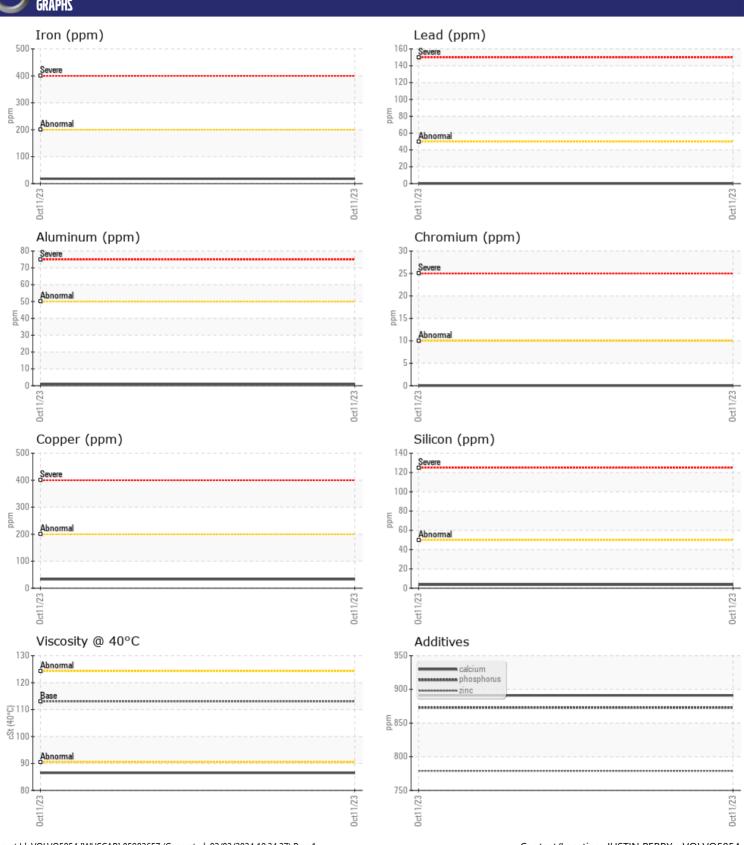
Confirm oil type. The condition of the fluid is acceptable for the time in service.

Depot:VOLVO5054Unique No:10699952Signed:Sean FeltonReport Date:19 Oct 2023











380994-1 ALTER SENNEBOGEN 825 825.0.2552 - HYDRAULIC SYS

Sample No: VCP082785

Oil Type: SENNEBOGEN/MAYBE SHELL ISO 46

Job No: 380994-1 ALTER





ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: JUSTIN PERRY justin.perry@altg.com T: (309)533-9285

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The chromium level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot:VOLVO5054Unique No:10699623Signed:Angela BorellaReport Date:19 Oct 2023

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

291

27

505

409

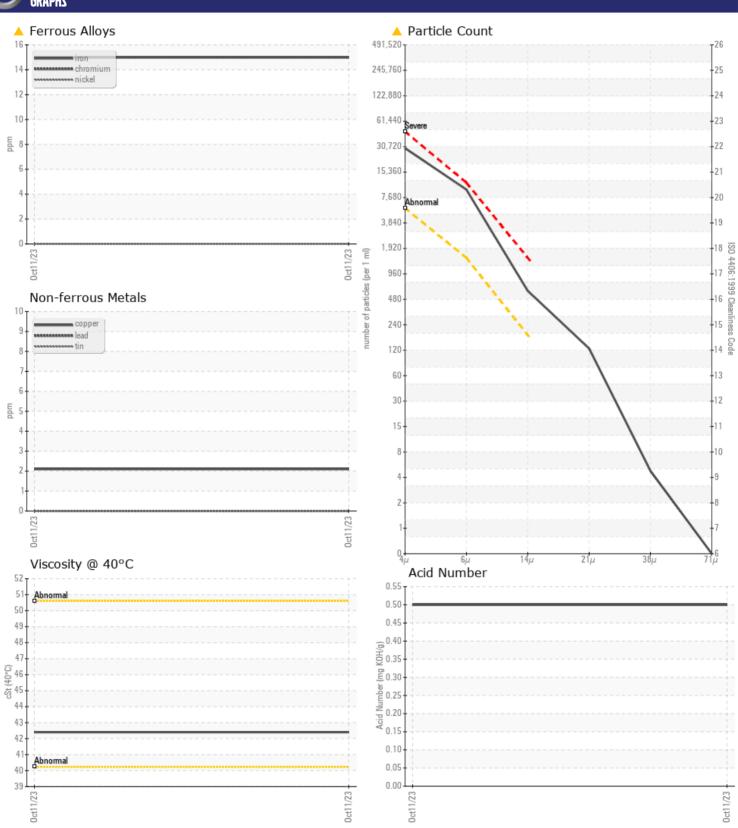
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GRAPHS





CONSTRUCTION EQUIPMENT 380994-1 SENNEBOGEN 825 825.0.2552 - FRONT AXLE



Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 380994-1

VOLVO	INFORMATION			
	INFURMATION			
Sample Number		VCP319005	 	
Sample Date		11 Oct 2023	 	
Machine Hours		9930	 	
Oil Hours		2000	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CON	NITION			
		=140		
Visc @ 40°C	cSt	149	 	
VOLVO				
CONTAM	INATION			
Silicon	ppm	1	 	
Sodium	ppm	■0	 	
Potassium	ppm	■ 0	 	
1 Ottassiaiii	ррт			
VOLVO				
WEAR M	IETALS			
Iron	ppm	49	 	
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	<1	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	
ADDITIV	77			
	[7			
Calcium	ppm	48	 	
Magnesium	ppm	4	 	
Zinc	ppm	■56	 	
Phosphorus	ppm	1571	 	
Barium	ppm	1	 	
Boron	ppm	■ 55	 	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: MIKE MARTIN mike.martin@altaequipment.com F:

Diagnosis

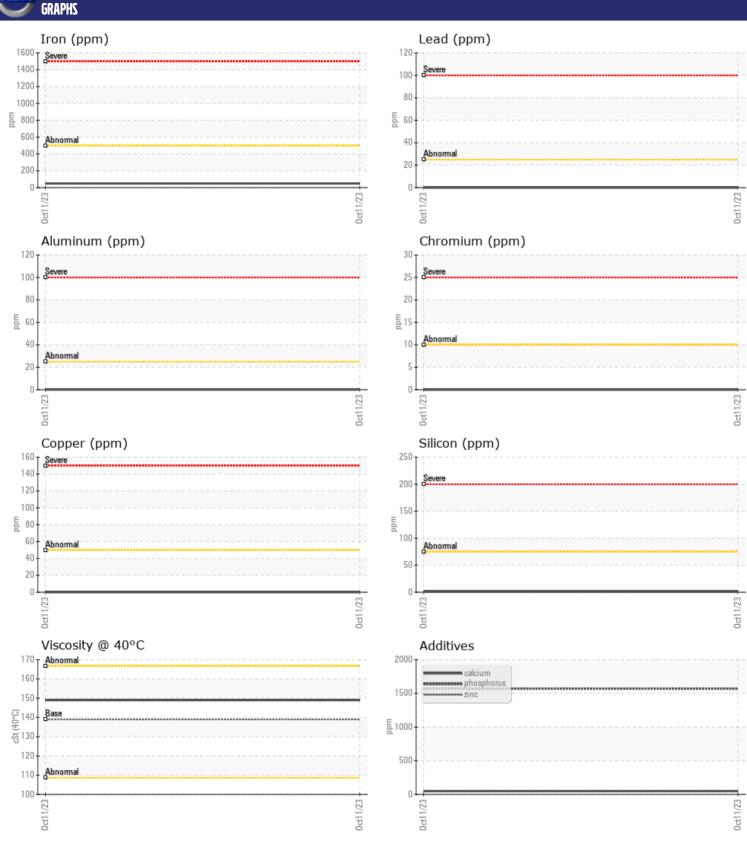
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO5054 **Unique No:** 10699924 Signed: Sean Felton Report Date: 19 Oct 2023











30994-1 SENNEBOGEN 825 825.0.2552 - FRONT RIGHT FINAL DR

Sample No: VCP384914

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 380994-1

CUMDIE	INFORMATION			
	INFURMATION			
Sample Number		VCP384914	 	
Sample Date		11 Oct 2023	 	
Machine Hours		9930	 	
Oil Hours		2000	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL COND	ITION			
		=140		
Visc @ 40°C	cSt	149	 	
VOLVO				
CONTAM	NATION			
Silicon	ppm	7	 	
Sodium	ppm	11	 	
Potassium		■0	 	
FOLASSIUIII	ppm	0	 	
VOLVO				
WEAR MI	ETALS			
Iron	ppm	62	 	
Copper	ppm	6	 	
Lead	ppm	0	 	
Tin	ppm	■ 0	 	
Aluminum	ppm	■<1	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	■ 0	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	
VOLVO	re			
ADDITIVI	7			
Calcium	ppm	151	 	
Magnesium	ppm	4	 	
Zinc	ppm	124	 	
Phosphorus	ppm	1860	 	
Barium	ppm	1	 	
Boron	ppm	■83	 	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: JUSTIN PERRY justin.perry@altg.com T: (309)533-9285 F:

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:
 VOLVO5054

 Unique No:
 10699911

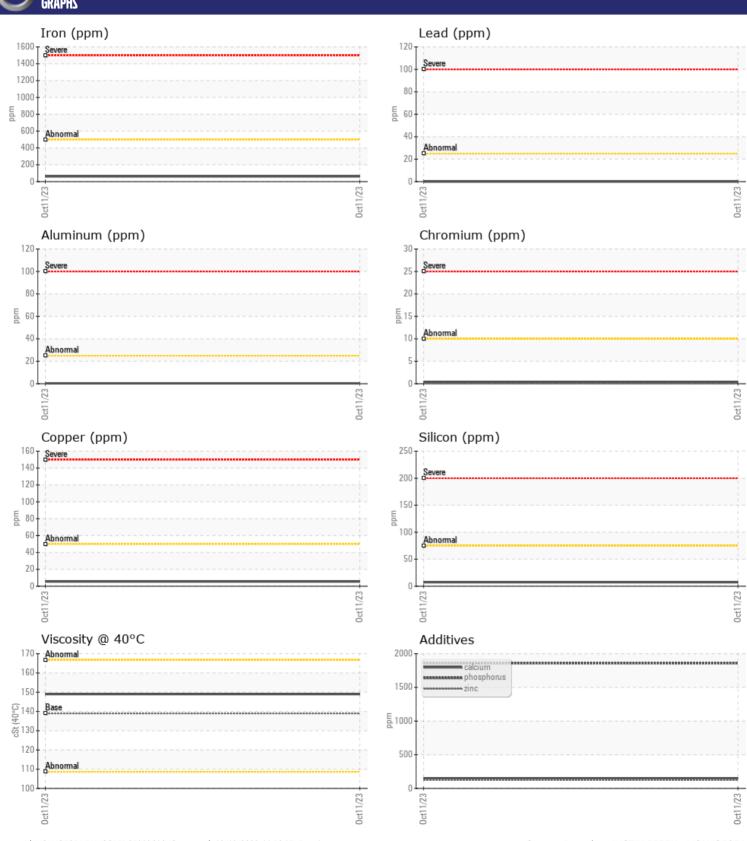
 Signed:
 Wes Davis

 Report Date:
 19 Oct 2023











994-1 SENNEBOGEN 825 825.0.2552 - REAR LEFT FINAL DR

Sample No: VCP384903

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 380994-1

SAMPL	E INFORMATION			
Sample Number		VCP384903	VCP384902	
Sample Date		11 Oct 2023	11 Oct 2023	
Machine Hours		9930	9930	
Oil Hours		2000	2000	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CON	IDITION			
Visc @ 40°C	cSt	148	146	
VOLVO				
CONTAI	MINATION			
Silicon	ppm	6	<u>2</u>	
Sodium	ppm	■13	5	
Potassium	ppm	■ <1	0	
VOLVO	METALS			
_	METAT2	,		
Iron	ppm	■90	7 3	
Copper	ppm	2	= <1	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	- <1	- <1	
Chromium	ppm	□ <1		
Molybdenum Nickel	ppm	0	0	
	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	2	0	
Manganese Vanadium	ppm	0	0	
vanadium	ppm	U	U	
VOLVO				
ADDITI	VEZ			
Calcium	ppm	130	■59	
Magnesium	ppm	5	4	
Zinc	ppm	106	6 2	
Phosphorus	ppm	1838	1643	
Barium	ppm	1	- <1	
Boron	ppm	■81	7 3	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: JUSTIN PERRY justin.perry@altg.com T: (309)533-9285 F:

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:
 VOLVO5054

 Unique No:
 10699922

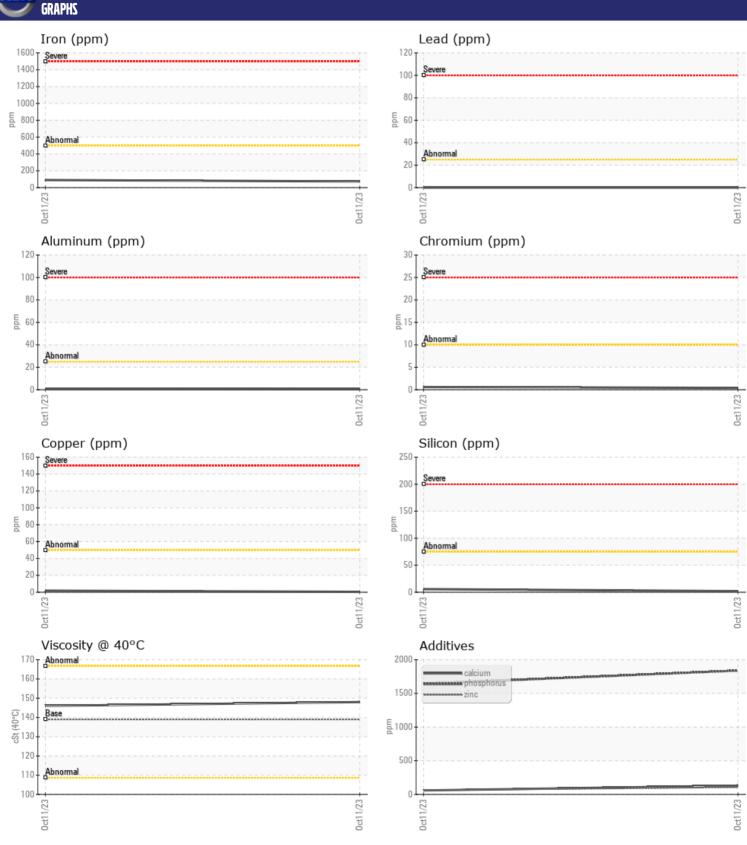
 Signed:
 Wes Davis

 Report Date:
 19 Oct 2023











380994-1 SENNEBOGEN 825 825.0.2552 - REAR AXLE

Sample No: VCP384900

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 380994-1





ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: JUSTIN PERRY justin.perry@altg.com T: (309)533-9285 F:

Diagnosis

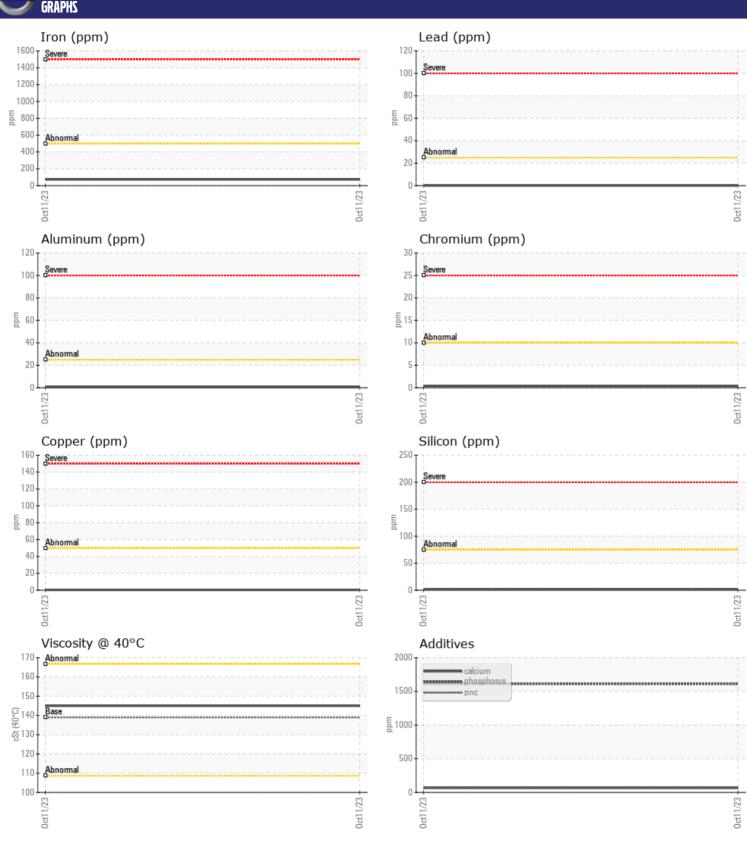
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VOLVO5054Unique No:10699912Signed:Wes DavisReport Date:19 Oct 2023











30994-1 SENNEBOGEN 825 825.0.2552 - REAR RIGHT FINAL DR

Sample No: VCP384904

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5

Job No: 380994-1

VOLVO	INFORMATION			
	INFURMATION			
Sample Number		VCP384904	 	
Sample Date		11 Oct 2023	 	
Machine Hours		9930	 	
Oil Hours		2000	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CON	NITION			
		=445	 	
Visc @ 40°C	cSt	145	 	
VOLVO				
CONTAM	IINATION			
Silicon	ppm	2	 	
Sodium	ppm	<u> </u>	 	
Potassium	ppm	■ 0	 	
1 Ottassidili	РРШ			
VOLVO				
WEAR M	IETALS			
Iron	ppm	7 3	 	
Copper	ppm	■<1	 	
Lead	ppm	■ 0	 	
Tin	ppm	■0	 	
Aluminum	ppm	■<1	 	
Chromium	ppm	■<1	 	
Molybdenum	ppm	■0	 	
Nickel	ppm	■0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
ADDITIV	77			
	17			
Calcium	ppm	■59	 	
Magnesium	ppm	4	 	
Zinc	ppm	62	 	
Phosphorus	ppm	1652	 	
Barium	ppm	-<1	 	
Boron	ppm	73	 	



ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE BLOOMINGTON, IL US 61705 Contact: MIKE MARTIN mike.martin@altaequipment.com T: F:

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:
 VOLVO5054

 Unique No:
 10699921

 Signed:
 Wes Davis

 Report Date:
 19 Oct 2023







