



CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - DIESEL ENGINE



Sample No: VCP433694
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP433694	VCP387339	VCP421621	VCP423490
Sample Date	25 Apr 2024	02 Feb 2024	03 Nov 2023	11 Aug 2023
Machine Hours	8101	7536	6952	6443
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: MARK DEROSA
mark.derosa@altg.com
T: (248)356-5200
F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	▲ 11.7	■ 13.6	■ 13.5
Base Number (BN)	mg KOH/g	■ 8.4	■ 7.4	■ 8.9	■ 8.6
Oxidation (PA)	%	70	71	65	64

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	■ 0.3	■ 0.3	■ 0.3	■ 0.3
Nitration (PA)	%	68	73	65	65
Sulfation (PA)	%	56	57	55	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	▲ 7.2	▲ 4.3	<1.0	<1.0
Silicon	ppm	■ 2	■ 2	■ 3	■ 3
Sodium	ppm	■ 1	■ <1	■ 0	■ 1
Potassium	ppm	■ 2	■ 0	■ 11	■ 7

WEAR METALS

Iron	ppm	■ 11	■ 9	■ 13	■ 10
Copper	ppm	■ <1	■ 0	■ 1	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ 2	■ 2	■ 5	■ 4
Chromium	ppm	■ <1	■ <1	■ <1	■ <1
Molybdenum	ppm	■ 55	■ 56	■ 63	■ 59
Nickel	ppm	■ 0	■ 0	■ <1	■ 0
Titanium	ppm	■ 0	■ 0	■ <1	■ <1
Silver	ppm	■ 0	■ 0	■ 0	■ <1
Manganese	ppm	■ <1	■ <1	■ 0	■ <1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	■ 999	■ 1003	■ 1088	■ 1122
Magnesium	ppm	■ 899	■ 917	■ 967	■ 977
Zinc	ppm	■ 1083	■ 1109	■ 1251	■ 1241
Phosphorus	ppm	■ 916	■ 960	■ 988	■ 994
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ <1	■ 0	■ 0	■ <1

Depot: VOLVO8885
Unique No: 11016906
Signed: Wes Davis
Report Date: 09 May 2024

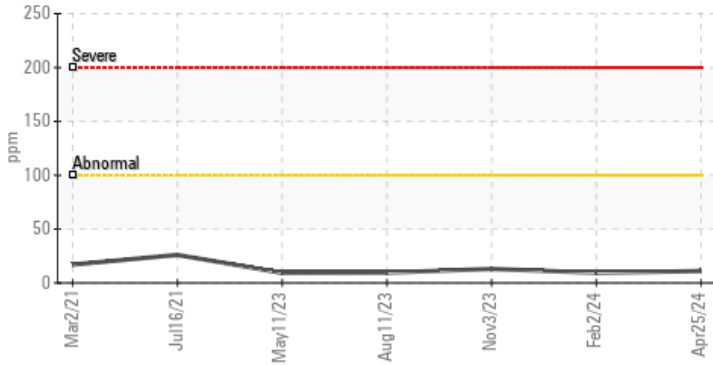


CONSTRUCTION EQUIPMENT

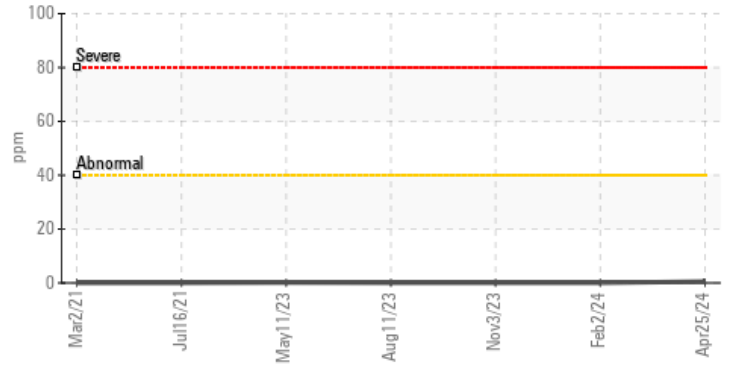


GRAPHS

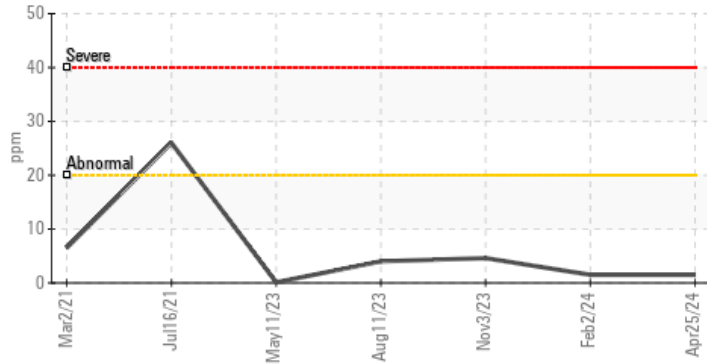
Iron (ppm)



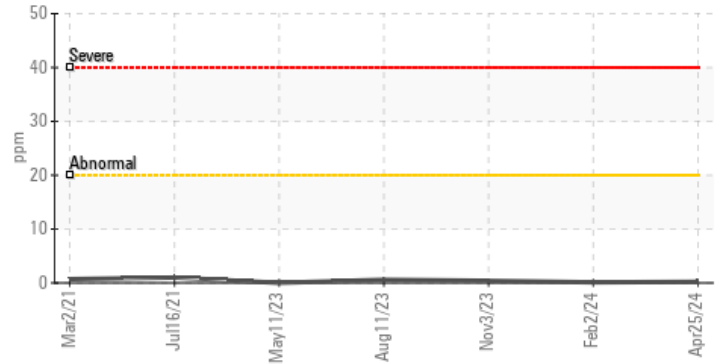
Lead (ppm)



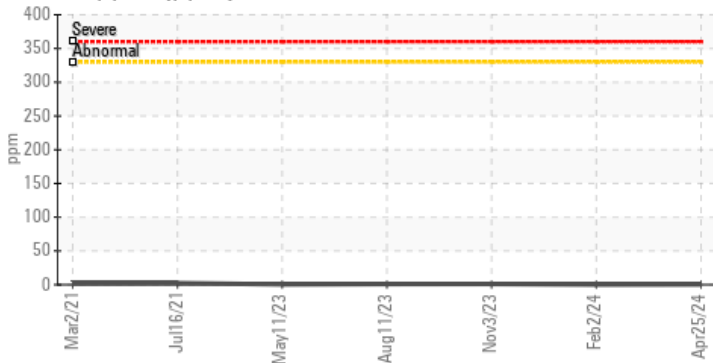
Aluminum (ppm)



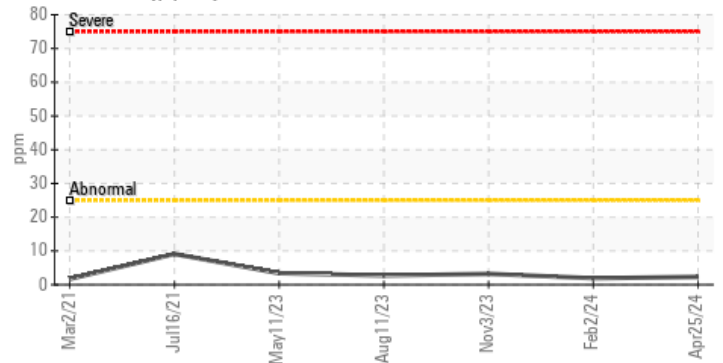
Chromium (ppm)



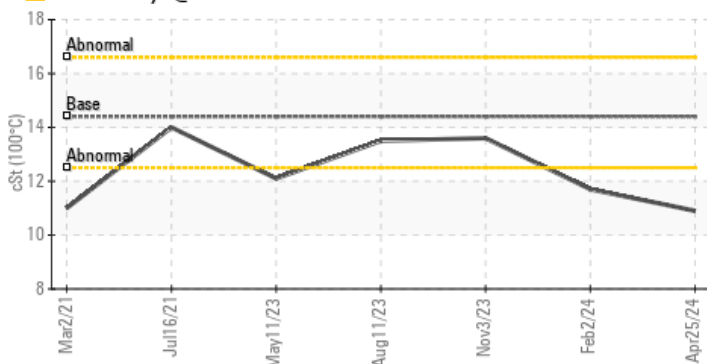
Copper (ppm)



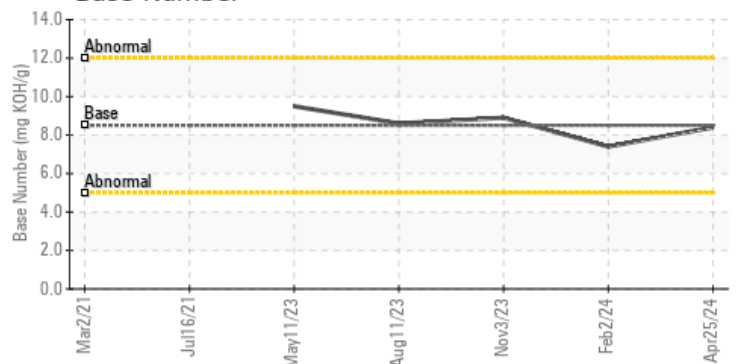
Silicon (ppm)



▲ Viscosity @ 100°C



Base Number





CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - LEFT SWING DRIVE



Sample No: VCP407625
Oil Type: MOBIL SHC 630
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP407625	VCP392944	VCP407121	VCP325141
Sample Date	25 Apr 2024	02 Feb 2024	11 Aug 2023	16 Jul 2021
Machine Hours	8101	7536	6443	1956
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

OIL CONDITION

Visc @ 40°C	cSt	197	223	225	221
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Water	%	NEG	0.105	NEG	NEG
Silicon	ppm	5	25	17	4
Sodium	ppm	1	0	0	<1
Potassium	ppm	1	0	0	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	148	228	269	59
Copper	ppm	38	136	30	22
Lead	ppm	<1	0	0	0
Tin	ppm	4	2	3	2
Aluminum	ppm	2	0	0	<1
Chromium	ppm	1	1	2	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	2	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	10	140	7	142
Magnesium	ppm	<1	2	2	<1
Zinc	ppm	20	107	50	99
Phosphorus	ppm	427	398	372	457
Barium	ppm	10	0	0	0
Boron	ppm	25	12	4	29

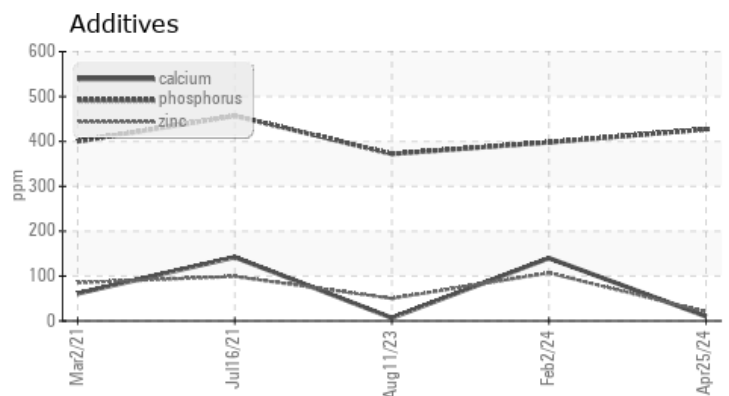
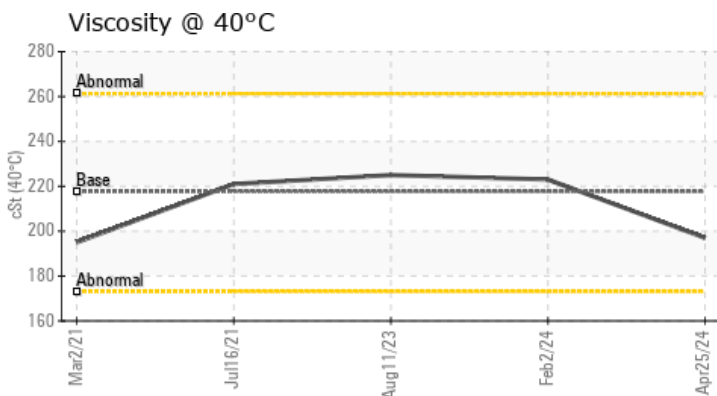
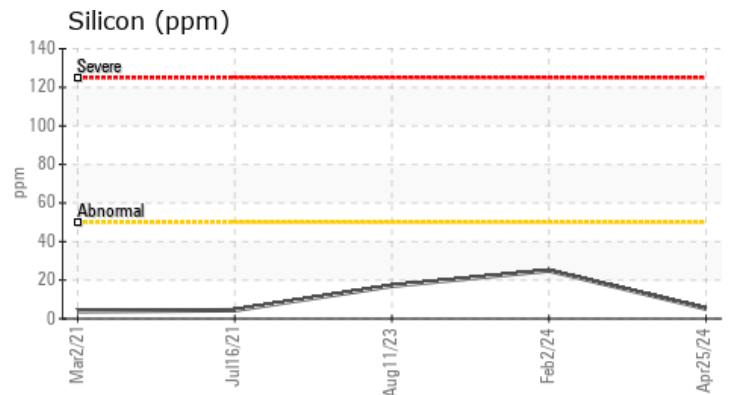
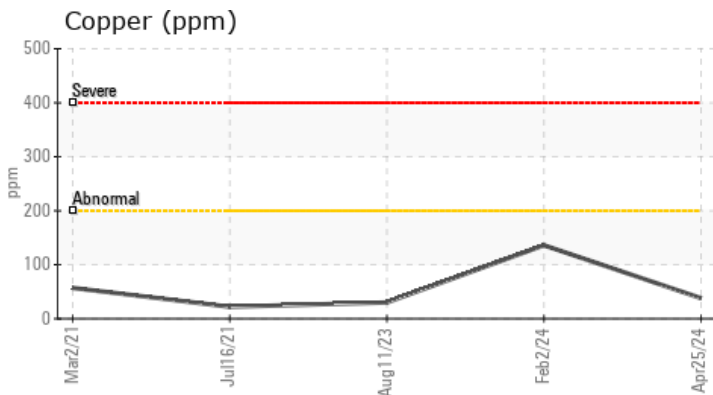
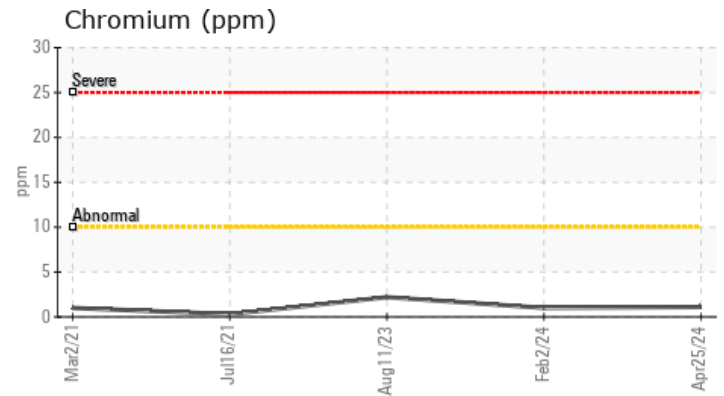
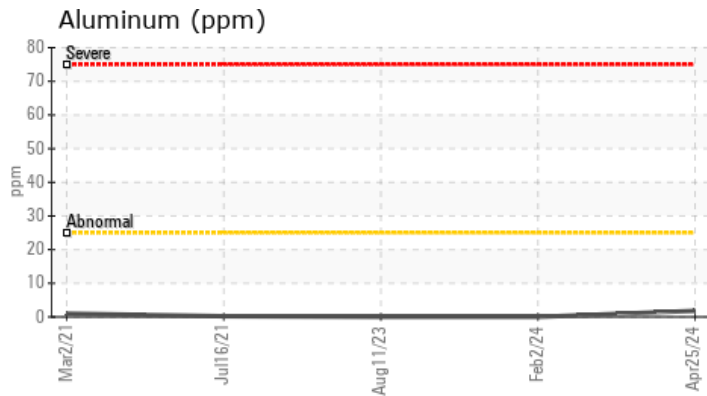
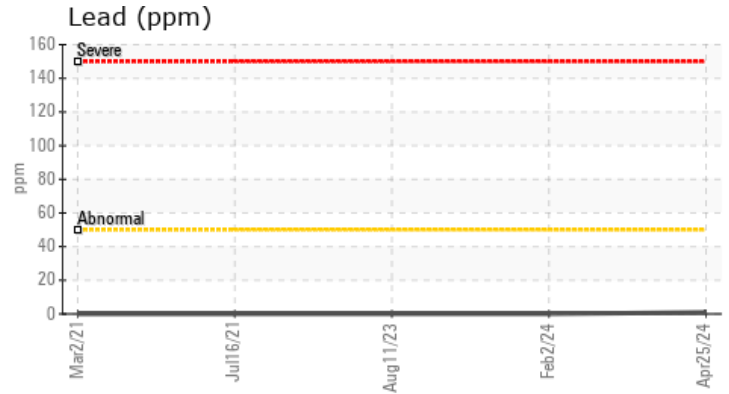
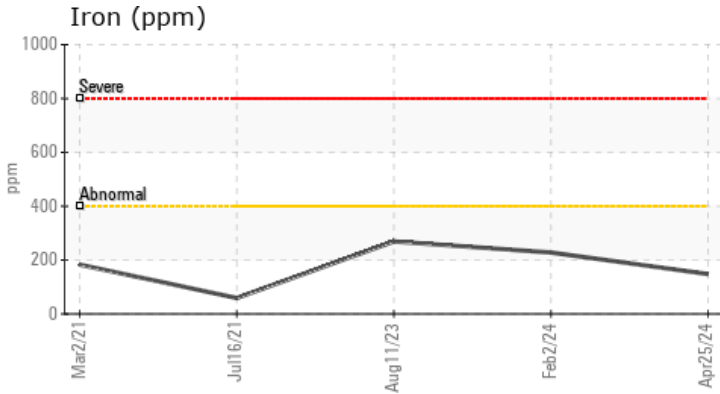
Depot: VOLVO8885
Unique No: 11017768
Signed: Don Baldrige
Report Date: 09 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS



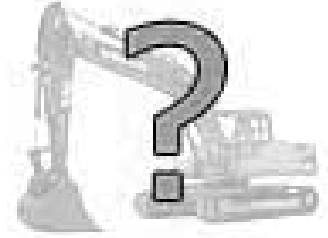


CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - RIGHT SWING DRIVE



Sample No: VCP437372
Oil Type: GEAR OIL ISO 220
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP437372	VCP398817	VCP423496	VCP325136
Sample Date	25 Apr 2024	02 Feb 2024	11 Aug 2023	16 Jul 2021
Machine Hours	8101	7536	6443	1956
Oil Hours	0	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: MARK DEROSA
mark.derosa@altg.com
T: (248)356-5200
F:



OIL CONDITION

Visc @ 40°C	cSt	204	226	228	225
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	27	17	5
Sodium	ppm	1	0	0	<1
Potassium	ppm	2	0	0	0

Diagnosis

No corrective action is recommended at this time. Gear wear is indicated. 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	432	371	428	508
Copper	ppm	38	117	72	49
Lead	ppm	<1	0	0	0
Tin	ppm	4	5	11	6
Aluminum	ppm	2	0	0	1
Chromium	ppm	2	2	3	2
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	3	4	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	100	5	12
Magnesium	ppm	<1	0	2	0
Zinc	ppm	43	67	53	90
Phosphorus	ppm	398	465	406	393
Barium	ppm	5	0	0	0
Boron	ppm	21	7	4	25

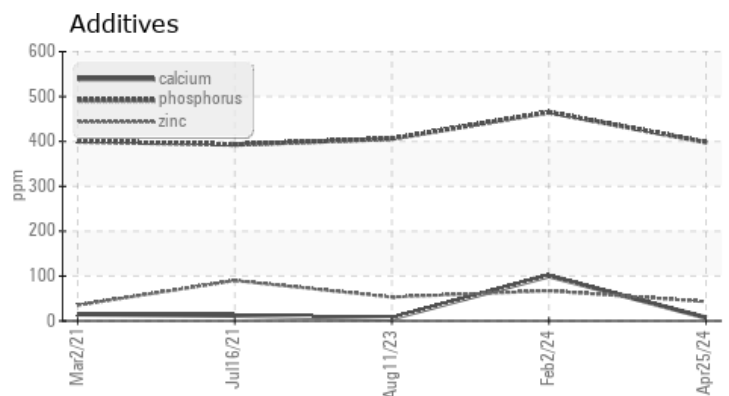
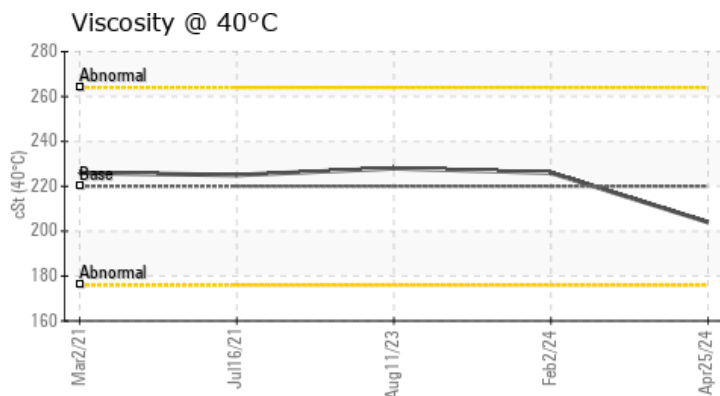
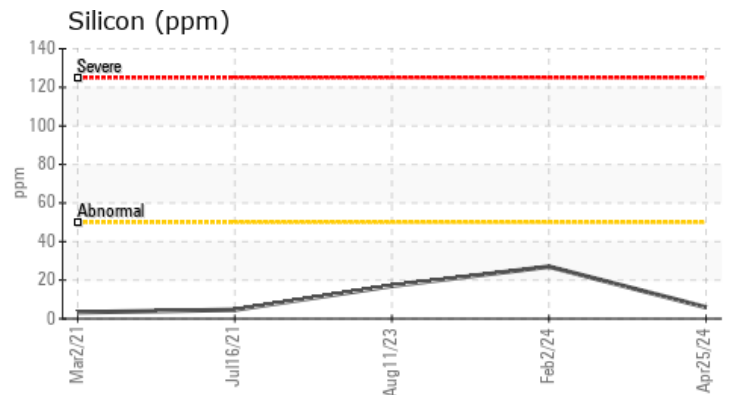
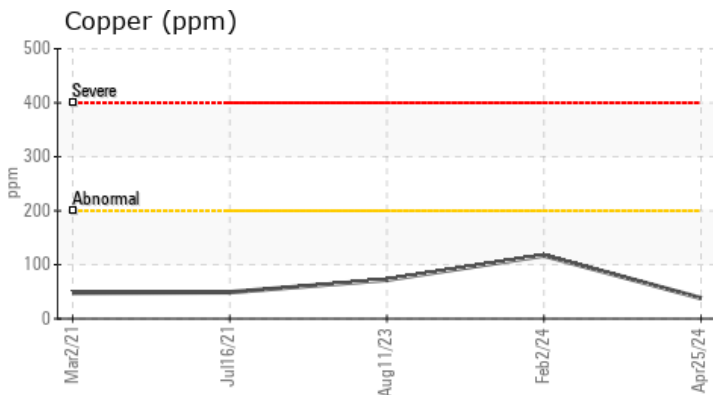
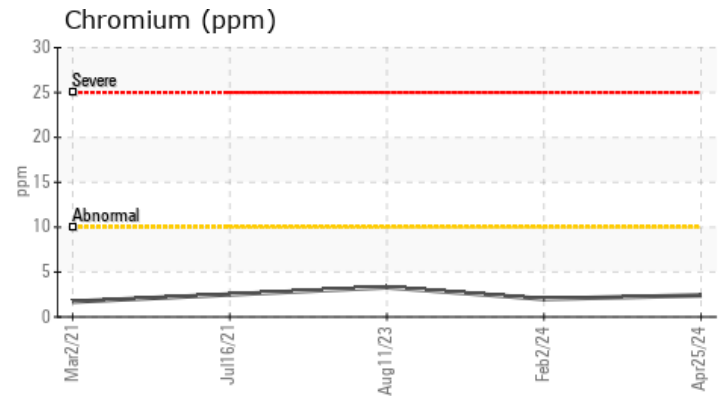
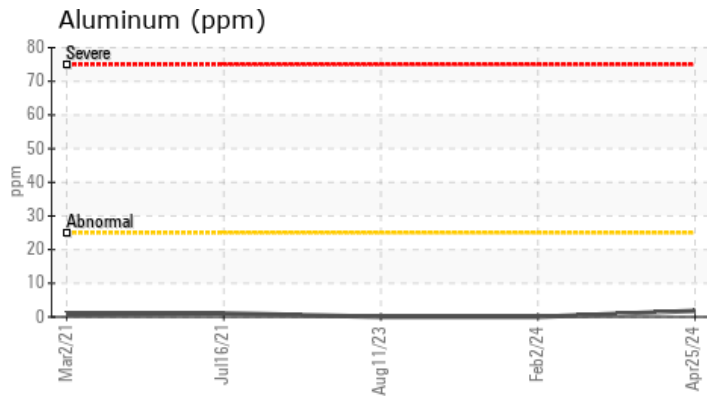
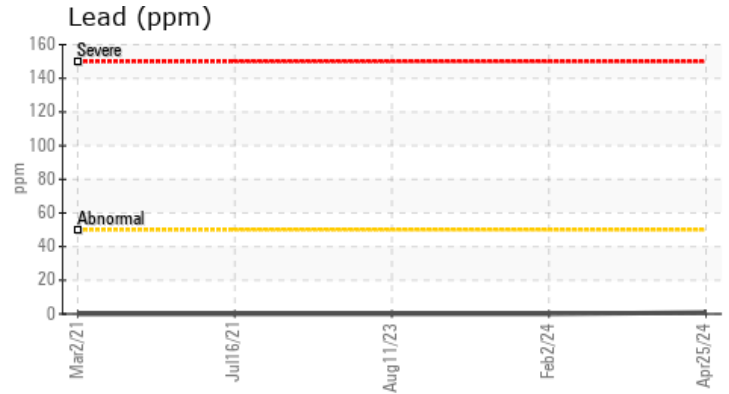
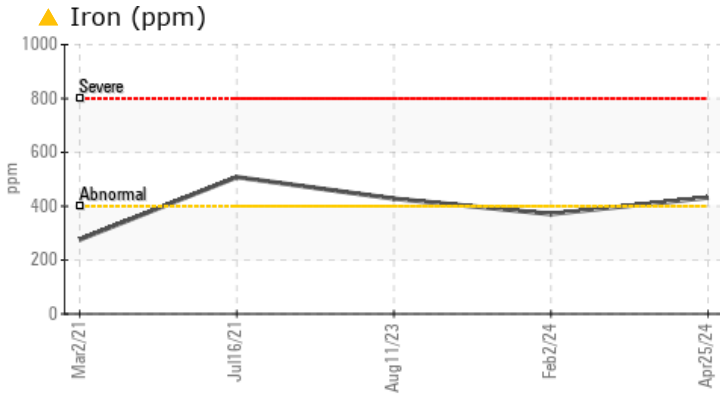
Depot: VOLVO8885
Unique No: 11017781
Signed: Don Baldrige
Report Date: 09 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS



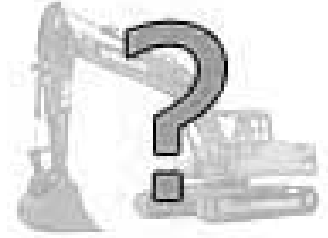


CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - FRONT LEFT FINAL DRIVE



Sample No: VCP407630
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP407630	VCP433695	VCP387175	VCP423201
Sample Date	25 Apr 2024	25 Apr 2024	02 Feb 2024	11 Aug 2023
Machine Hours	8101	8101	7536	6443
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: MARK DEROSA
mark.derosa@altg.com
T: (248)356-5200
F:



OIL CONDITION

Visc @ 40°C	cSt	182	189	139	147
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	5	3
Sodium	ppm	2	10	<1	<1
Potassium	ppm	1	2	0	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	79	218	247	222
Copper	ppm	17	▲ 79	30	53
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	3	<1	1
Chromium	ppm	<1	2	0	<1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	9	3	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	24	38	4
Magnesium	ppm	1	2	<1	1
Zinc	ppm	11	60	39	50
Phosphorus	ppm	1246	1226	723	1877
Barium	ppm	370	315	0	3
Boron	ppm	3	2	34	142

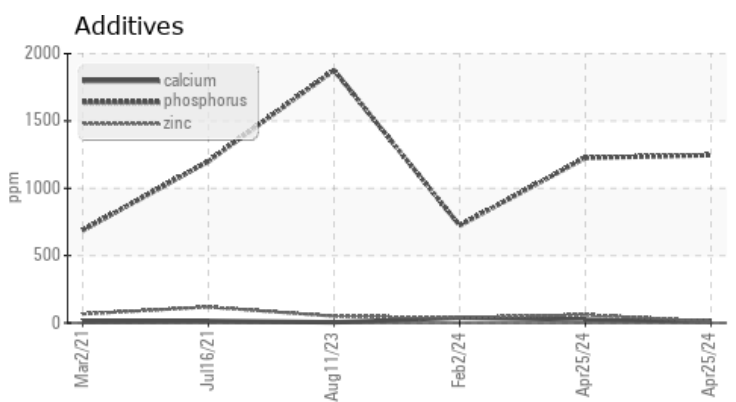
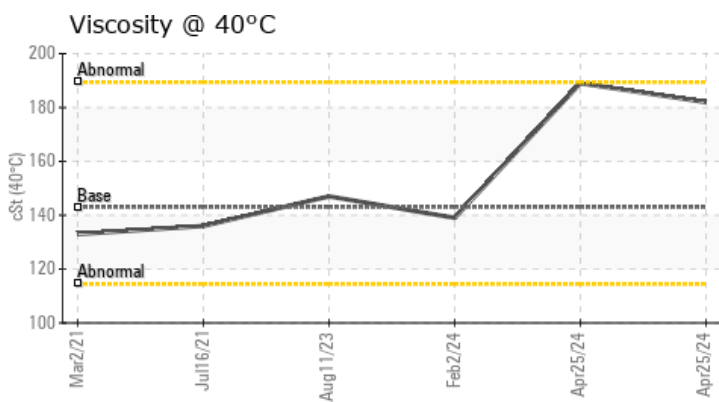
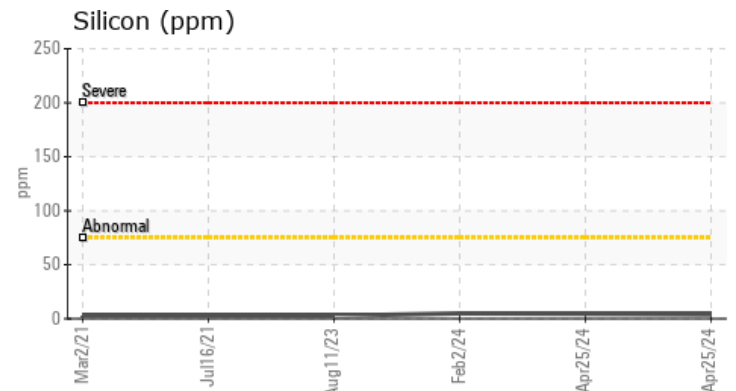
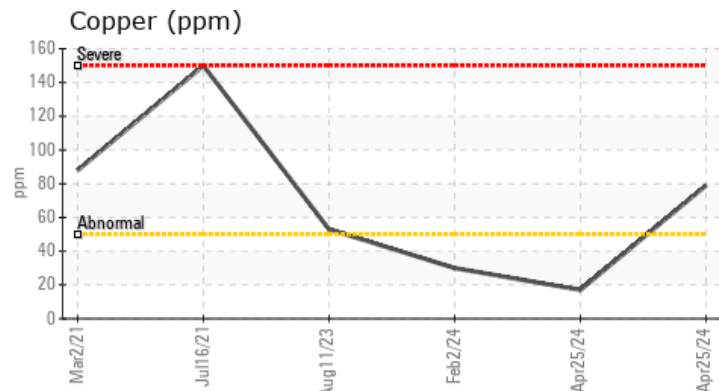
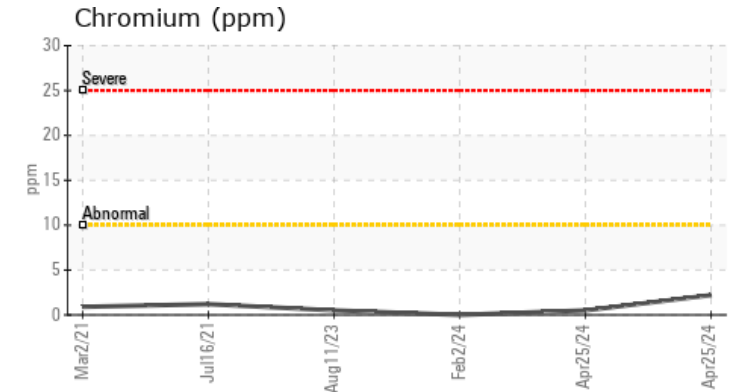
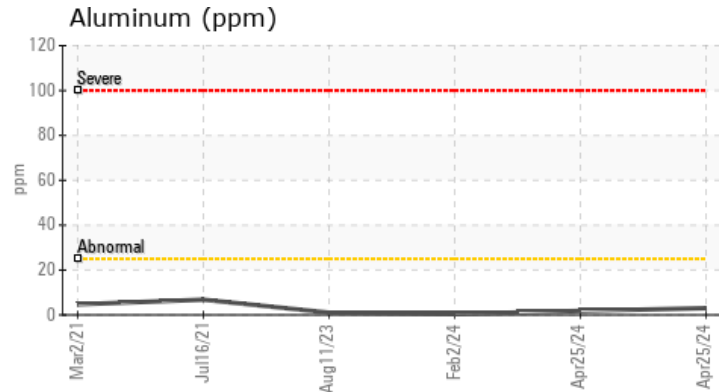
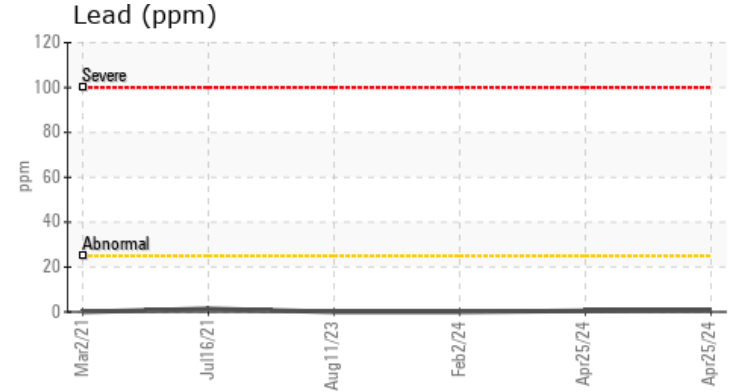
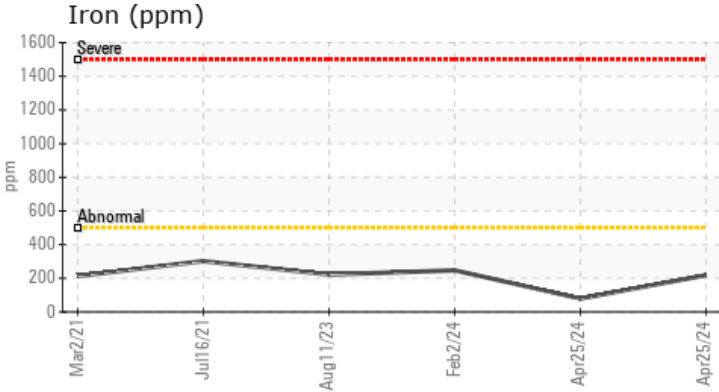
Depot: VOLVO8885
Unique No: 11017784
Signed: Wes Davis
Report Date: 08 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS





CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - FRONT AXLE



Sample No: VCP437373
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP437373	VCP387182	VCP423495	---
Sample Date	25 Apr 2024	02 Feb 2024	11 Aug 2023	---
Machine Hours	8101	7536	6443	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: MARK DEROSA
 mark.derosa@altg.com
 T: (248)356-5200
 F:



OIL CONDITION

Visc @ 40°C	cSt	185	137	148	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	2	---
Sodium	ppm	1	0	0	---
Potassium	ppm	<1	0	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	18	6	3	---
Copper	ppm	12	2	5	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	0	0	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	10	97	4	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	7	31	8	---
Phosphorus	ppm	1228	450	1909	---
Barium	ppm	380	0	0	---
Boron	ppm	3	<1	147	---

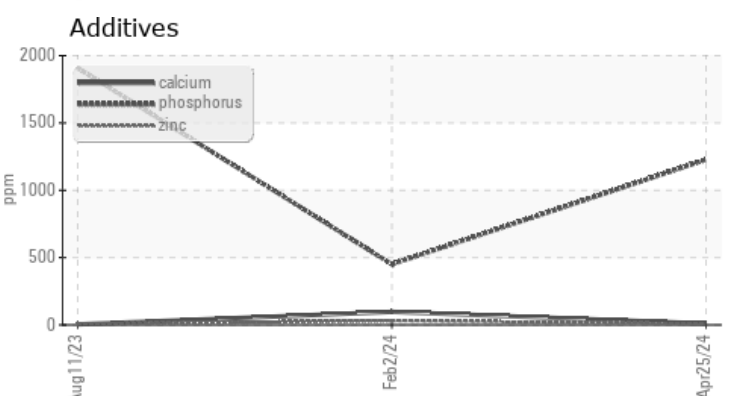
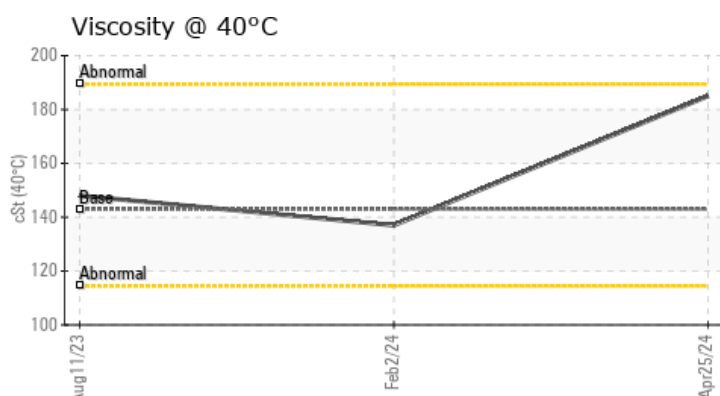
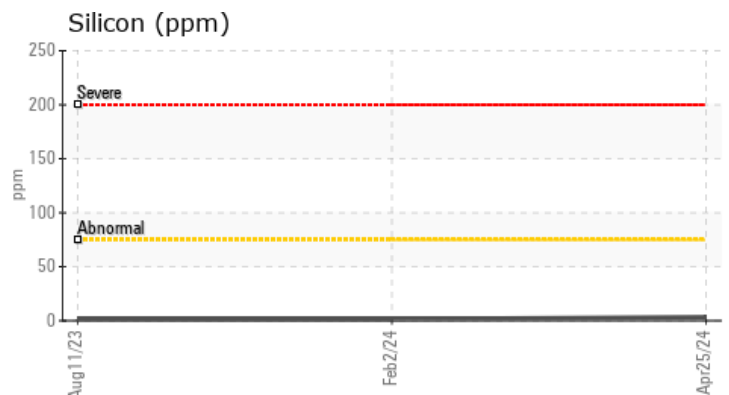
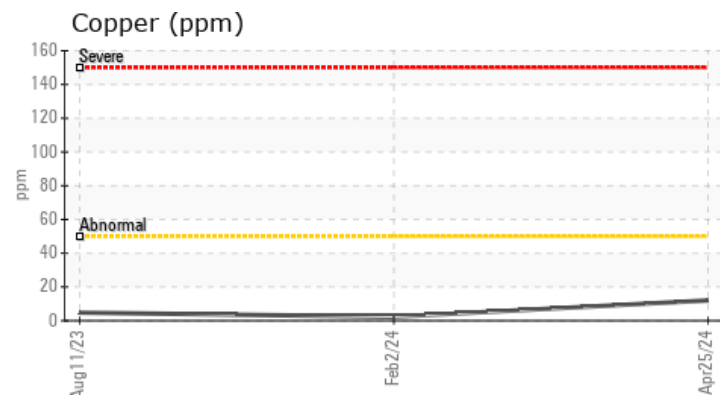
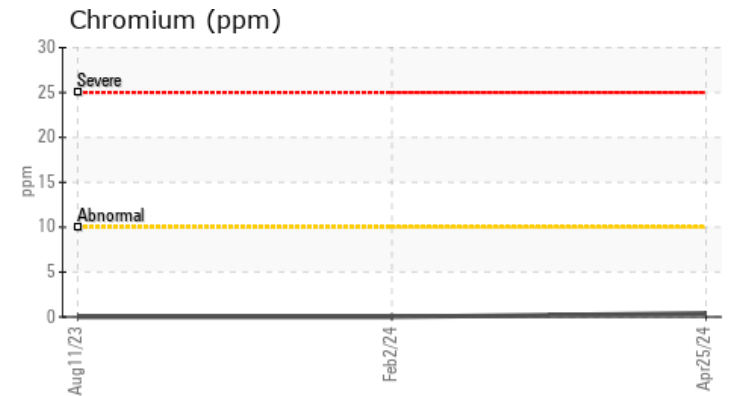
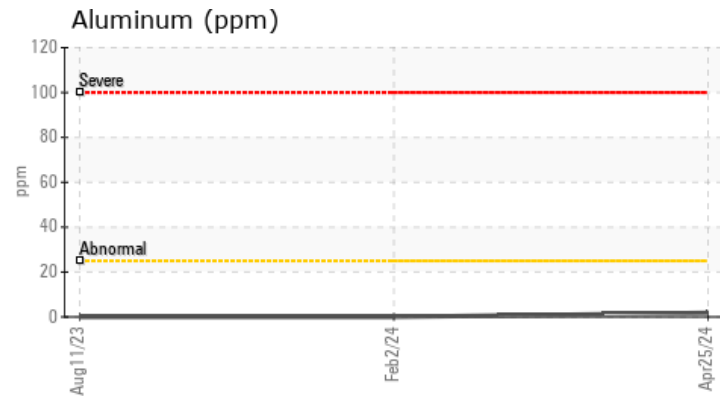
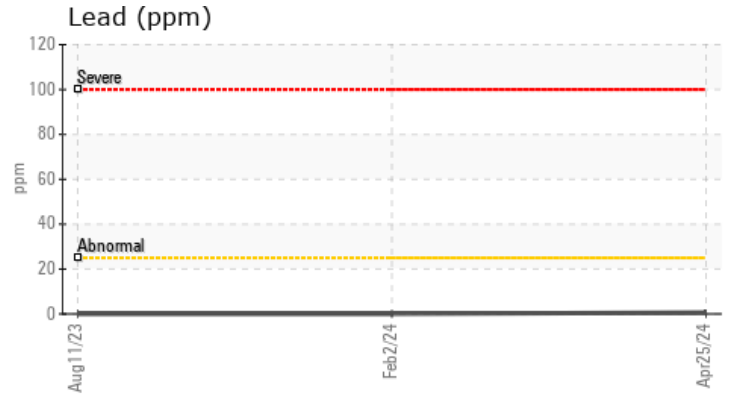
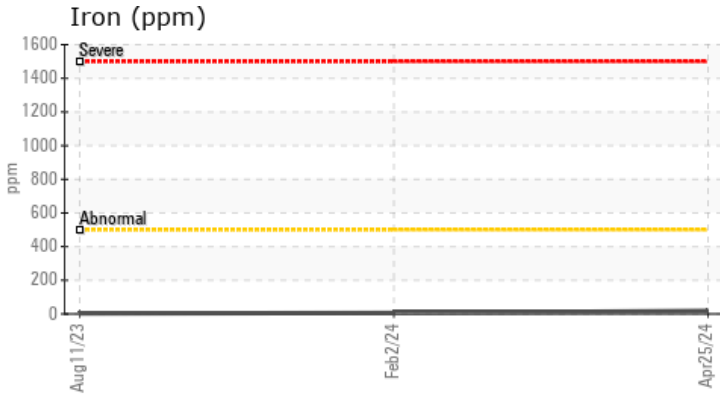
Depot: VOLVO8885
Unique No: 11017783
Signed: Wes Davis
Report Date: 08 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - FRONT RIGHT FINAL DRIVE



Sample No: VCP437374
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP437374	VCP387394	VCP423200	VCP325137
Sample Date	25 Apr 2024	02 Feb 2024	11 Aug 2023	16 Jul 2021
Machine Hours	8101	7536	6443	1956
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	SEVERE	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: MARK DEROSA
mark.derosa@altg.com
T: (248)356-5200
F:



OIL CONDITION

Visc @ 40°C	cSt	186	139	148	149
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	5	3	3
Sodium	ppm	9	<1	<1	4
Potassium	ppm	2	0	0	0



WEAR METALS

Iron	ppm	166	259	164	201
Copper	ppm	159	6	9	31
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	6	0	0	2
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	12	3	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	39	8	25
Magnesium	ppm	2	<1	2	2
Zinc	ppm	111	25	22	44
Phosphorus	ppm	1178	733	1897	1359
Barium	ppm	292	<1	2	49
Boron	ppm	2	34	140	74

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. High concentration of visible yellow metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

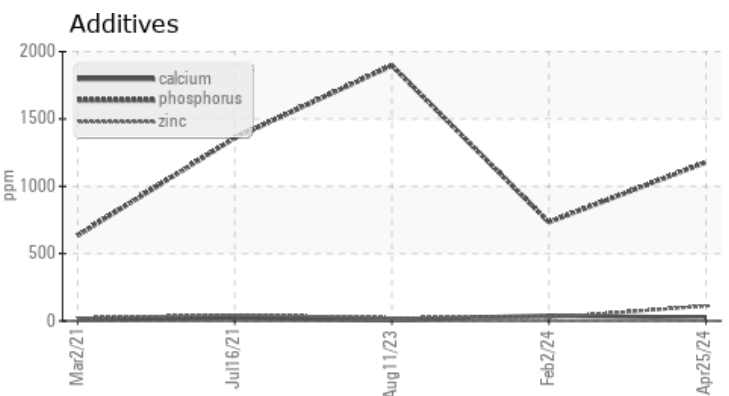
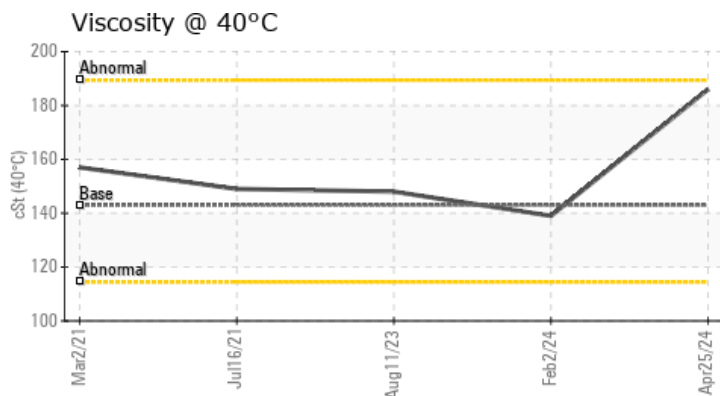
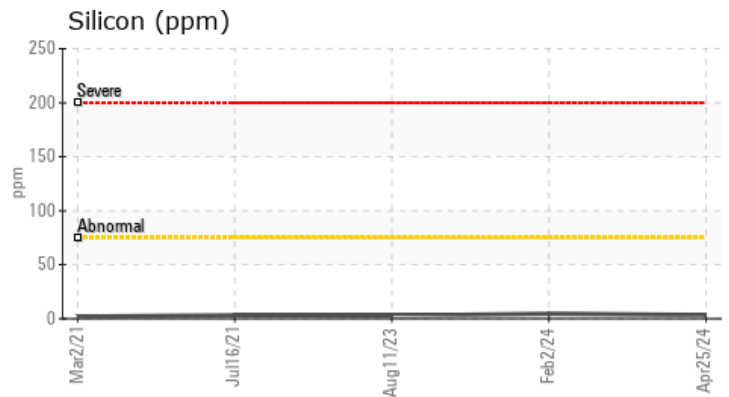
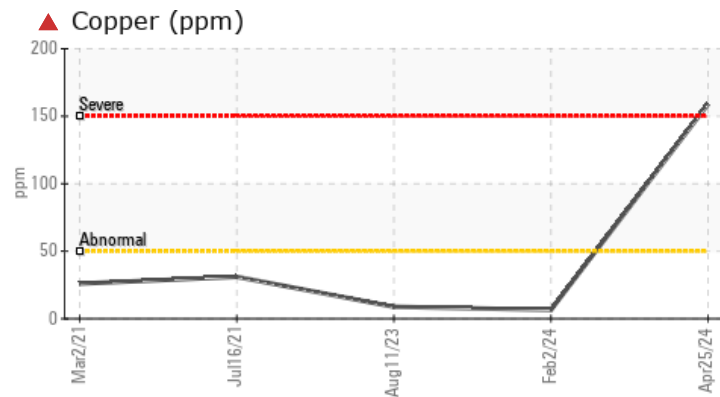
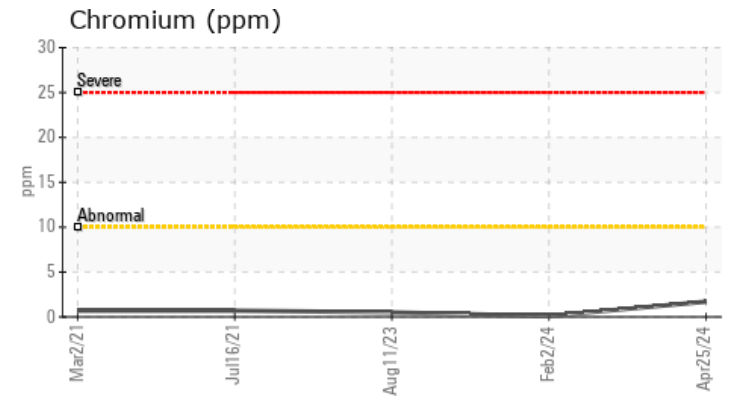
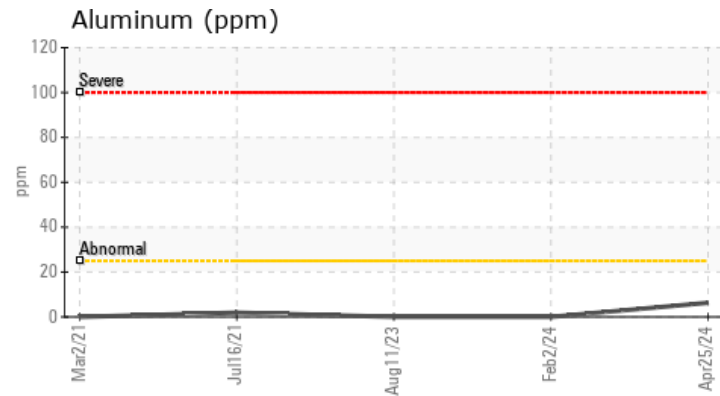
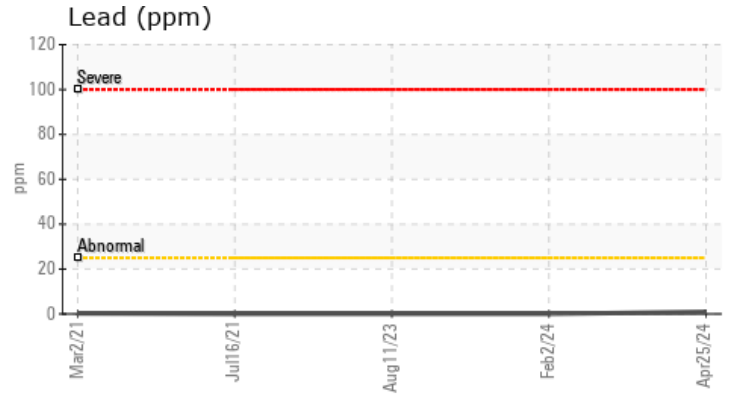
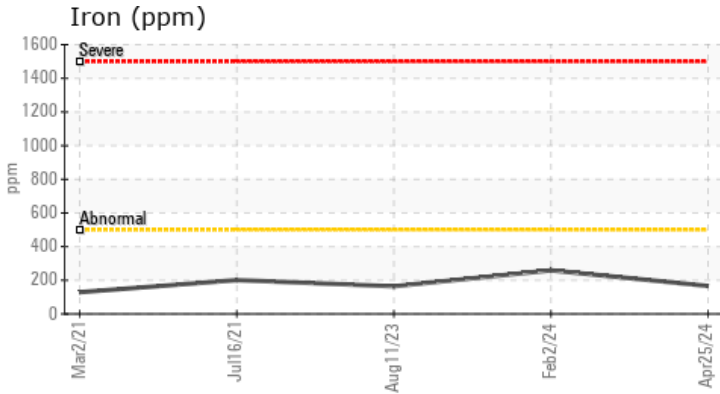
Depot: VOLVO8885
Unique No: 11017750
Signed: Don Baldrige
Report Date: 09 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS



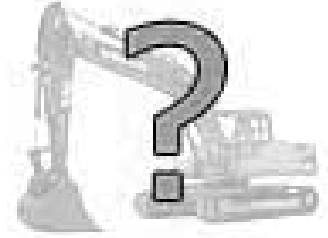


CONSTRUCTION EQUIPMENT

SPM661642 ALTER SENNEBOGEN 835 835.0.2740 - REAR LEFT FINAL DRIVE



Sample No: VCP387233
Oil Type: GEAR OIL SAE 80W90
Job No: SPM661642 ALTER



SAMPLE INFORMATION

Sample Number	VCP387233	VCP384571	VCP423493	VCP324578
Sample Date	02 Feb 2024	02 Feb 2024	11 Aug 2023	16 Jul 2021
Machine Hours	7536	7536	6443	1956
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



OIL CONDITION

Visc @ 40°C	cSt	137	137	149	140
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	3	2
Sodium	ppm	0	0	0	<1
Potassium	ppm	0	0	0	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	111	105	52	36
Copper	ppm	11	9	24	28
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	41	81	18	24
Magnesium	ppm	<1	2	2	1
Zinc	ppm	24	42	28	38
Phosphorus	ppm	527	522	1868	1817
Barium	ppm	0	0	0	<1
Boron	ppm	8	7	118	143

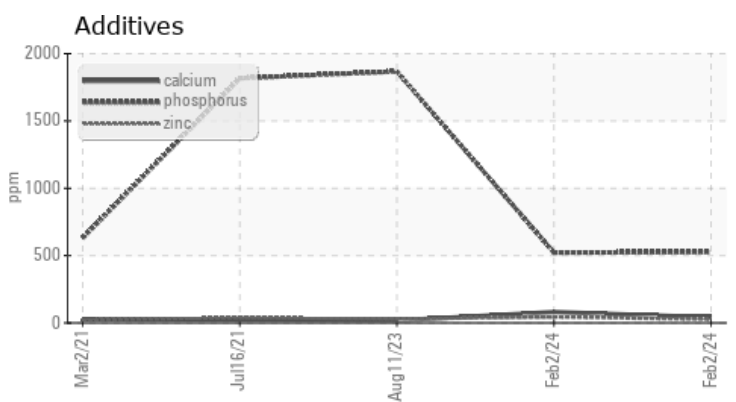
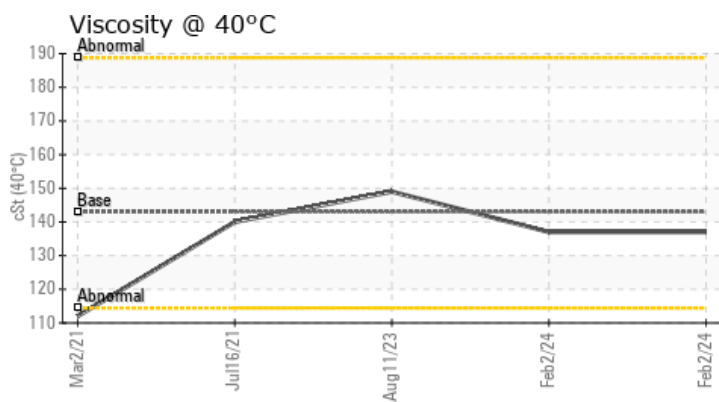
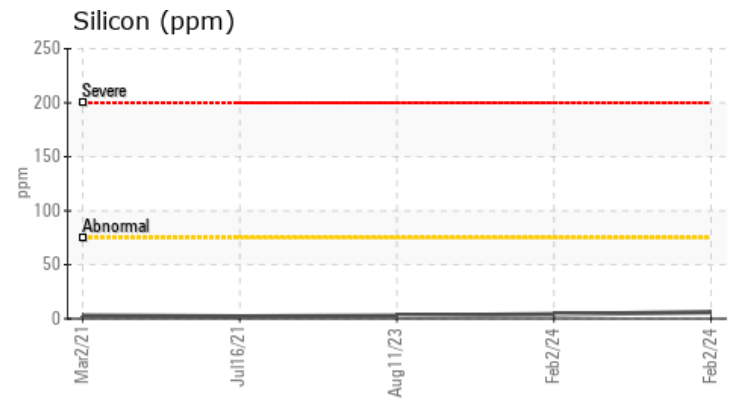
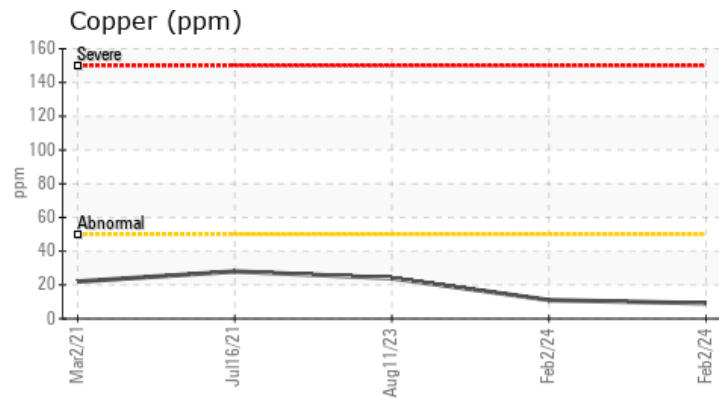
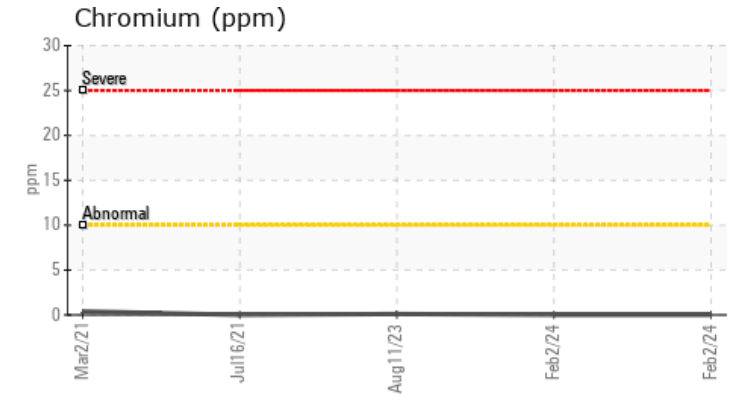
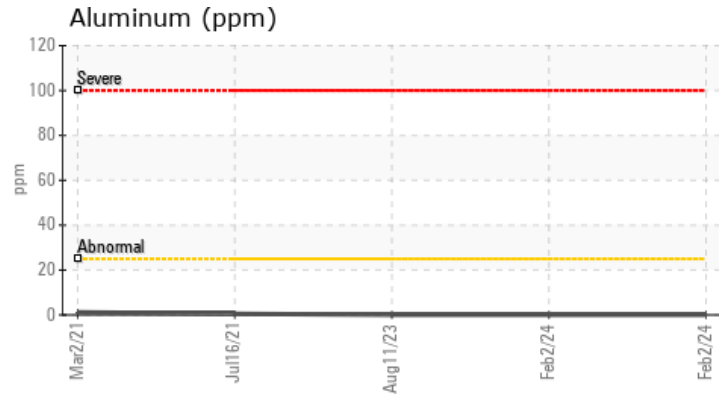
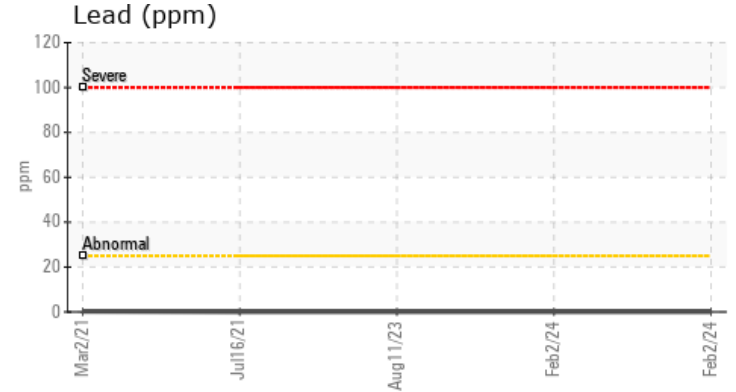
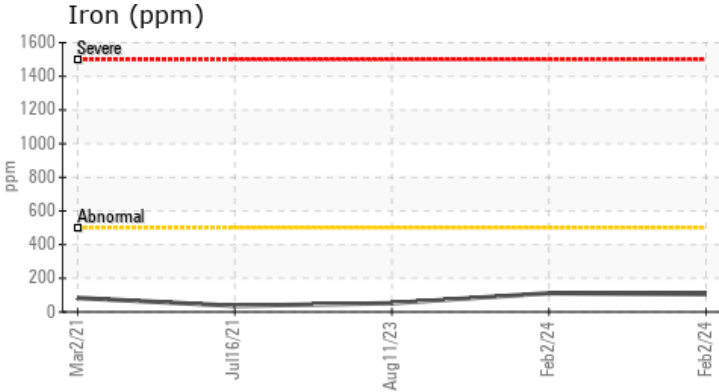
Depot: VOLVO8885
Unique No: 10873757
Signed: Wes Davis
Report Date: 13 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS



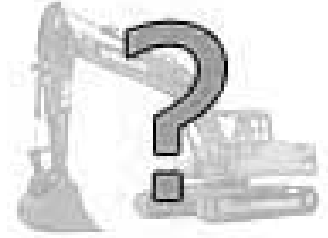


CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - REAR AXLE



Sample No: VCP437371
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP437371	VCP387296	VCP423500	---
Sample Date	25 Apr 2024	02 Feb 2024	11 Aug 2023	---
Machine Hours	8101	7536	6443	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



OIL CONDITION

Visc @ 40°C	cSt	184	137	150	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	2	3	---
Sodium	ppm	2	0	0	---
Potassium	ppm	1	0	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	46	80	47	---
Copper	ppm	17	9	25	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	0	0	---
Chromium	ppm	<1	0	0	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	1	1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	14	37	18	---
Magnesium	ppm	2	<1	1	---
Zinc	ppm	16	21	30	---
Phosphorus	ppm	1191	517	1872	---
Barium	ppm	362	0	0	---
Boron	ppm	3	7	121	---

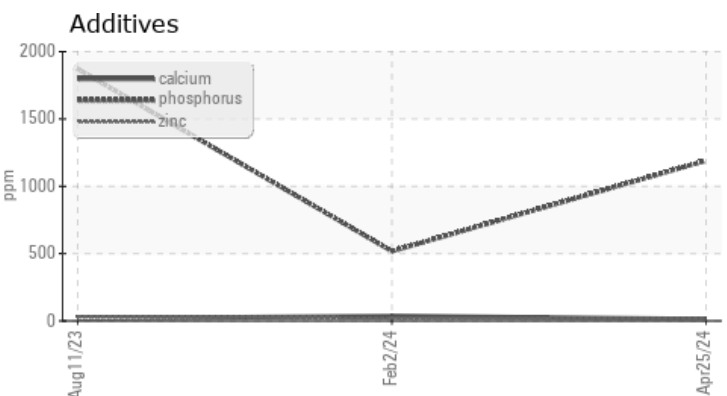
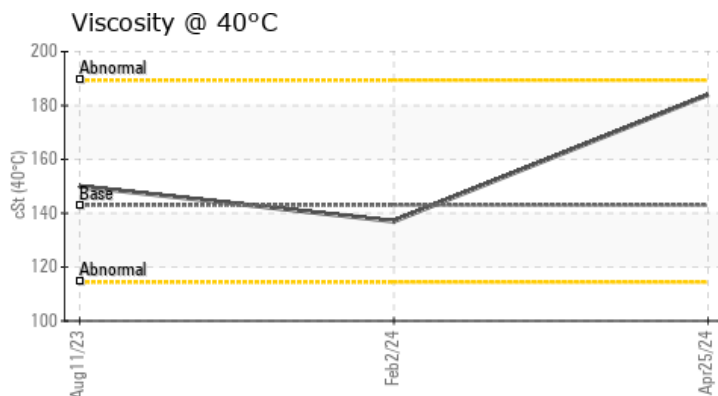
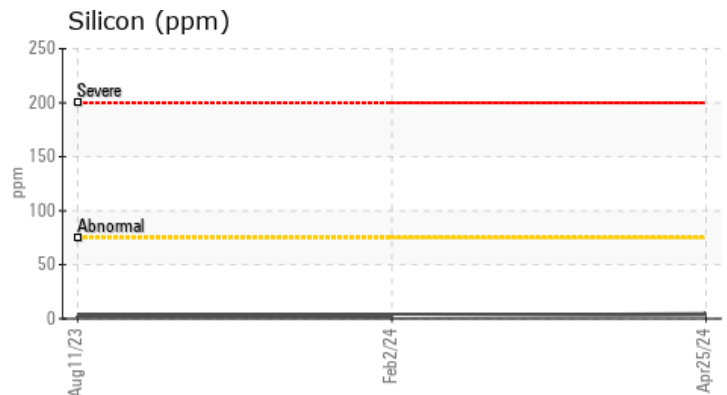
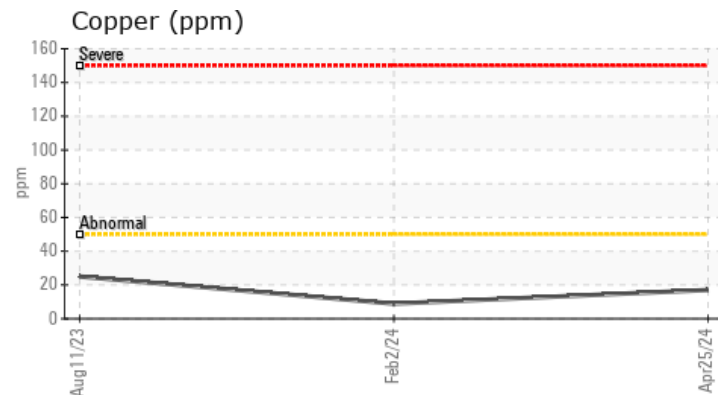
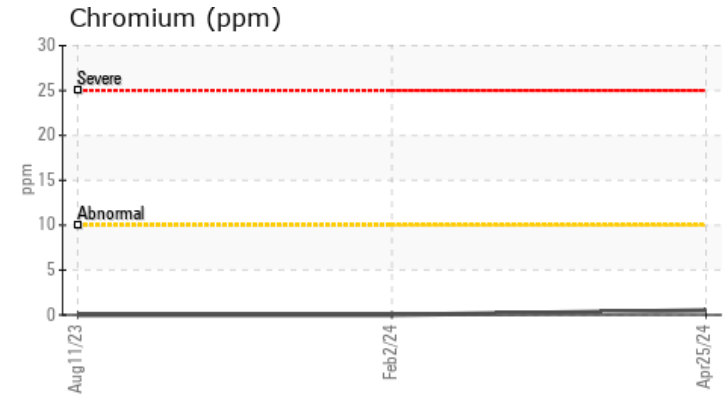
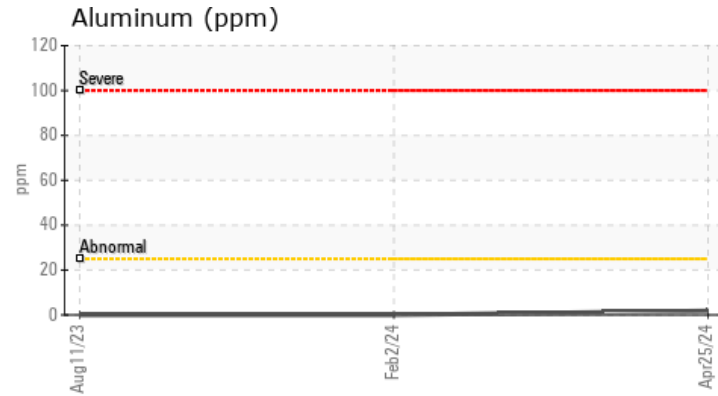
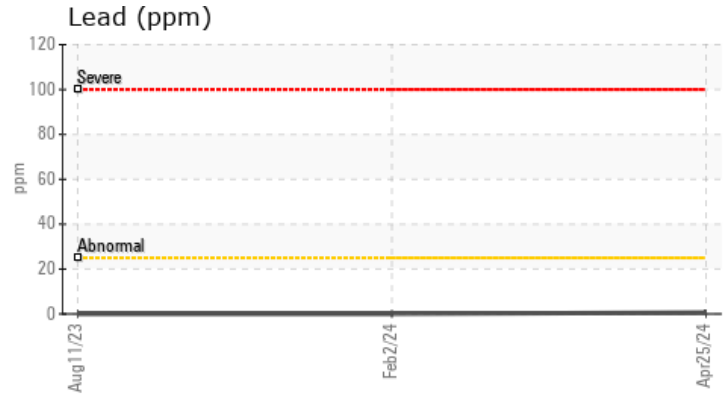
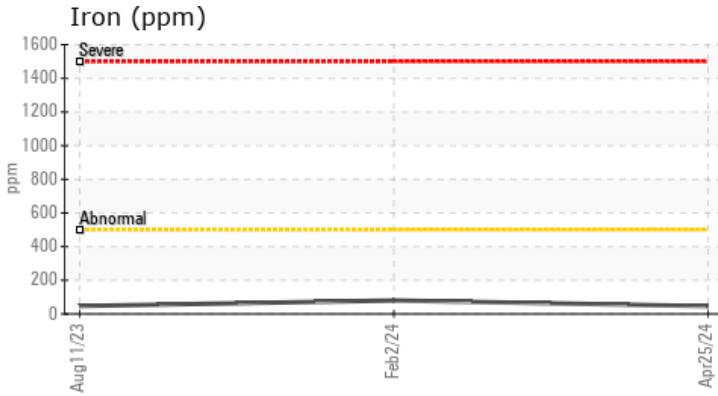
Depot: VOLVO8885
Unique No: 11017762
Signed: Wes Davis
Report Date: 08 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS





CONSTRUCTION EQUIPMENT

SPM702207 ALTER ROCK SENNEBOGEN 835 835.0.2740 - REAR RIGHT FINAL DRIVE



Sample No: VCP437375
Oil Type: GEAR OIL SAE 80W90
Job No: SPM702207 ALTER ROCK



SAMPLE INFORMATION

Sample Number	VCP437375	VCP423197	VCP299478	VCP325138
Sample Date	25 Apr 2024	11 Aug 2023	16 Jul 2021	16 Jul 2021
Machine Hours	8101	6443	1956	1956
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: MARK DEROSA
mark.derosa@altg.com
T: (248)356-5200
F:



OIL CONDITION

Visc @ 40°C	cSt	184	149	119	142
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	3	2	2
Sodium	ppm	2	0	<1	<1
Potassium	ppm	1	0	0	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	68	49	35	34
Copper	ppm	16	23	4	25
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	91	17	12	25
Magnesium	ppm	1	1	<1	1
Zinc	ppm	34	27	7	37
Phosphorus	ppm	1212	1789	909	1836
Barium	ppm	362	0	0	2
Boron	ppm	6	116	160	138

Depot: VOLVO8885
Unique No: 11017786
Signed: Wes Davis
Report Date: 08 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

