CONSTRUCTION EQUIPMENT
SENNEBOGEN 825 825.0.2194 - DIESEL ENGINE

Sample No: VCP443530
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:

UNITED SCRAP
1545 S CICERO AVE
CICERO, IL
US 60804
Contact: RON LUCHTENBURG
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T:
F:

SAMPLE INFORMATION

Sample Number		**VCP443530**	VCP406554	VCP441771	VCP406561
Sample Date		**01 Apr 2024**	05 Mar 2024	17 Jan 2024	21 Dec 2023
Machine Hours		**26766**	26612	26062	25797
Oil Hours		**0**	0	0	0
Oil Changed		**Changed**	Changed	Changed	Changed
Sample Status		**NORMAL**	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 100°C	cSt	**13.5**	13.8	13.1	13.7
Base Number (BN)	mg KOH/g	**9.7**	9.8	9.6	9.4
Oxidation (PA)	%	**72**	96	64	69

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Soot %	%	**0.4**	0.7	0.4	0.5
Nitration (PA)	%	**62**	80	60	68
Sulfation (PA)	%	**59**	69	57	59
Glycol	%	**NEG**	NEG	NEG	NEG
Fuel	%	**<1.0**	<1.0	<1.0	<1.0
Silicon	ppm	**2**	5	5	3
Sodium	ppm	**2**	3	0	4
Potassium	ppm	**1**	2	3	6

WEAR METALS

Iron	ppm	**10**	17	15	13
Copper	ppm	**<1**	0	1	0
Lead	ppm	**0**	0	1	0
Tin	ppm	**0**	0	1	0
Aluminum	ppm	**1**	2	2	<1
Chromium	ppm	**<1**	<1	1	<1
Molybdenum	ppm	**60**	53	78	67
Nickel	ppm	**0**	0	1	0
Titanium	ppm	**<1**	0	<1	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**0**	<1	1	0
Vanadium	ppm	**<1**	0	<1	0

ADDITIVES

Calcium	ppm	**1397**	1820	1309	1308
Magnesium	ppm	**907**	584	1231	1016
Zinc	ppm	**1292**	1240	1575	1390
Phosphorus	ppm	**1020**	1006	1208	1076
Barium	ppm	**0**	0	1	0
Boron	ppm	**21**	72	5	7

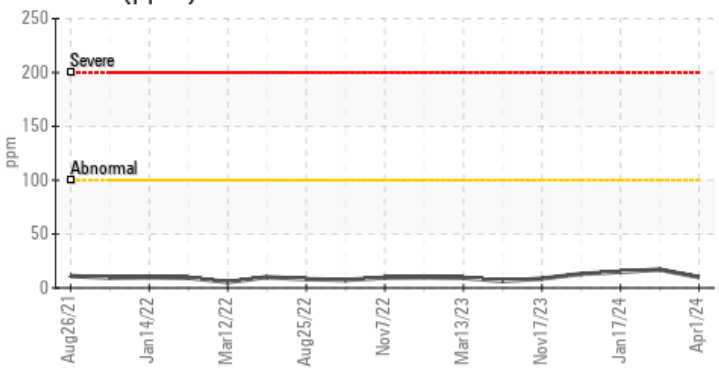
Diagnosis

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.

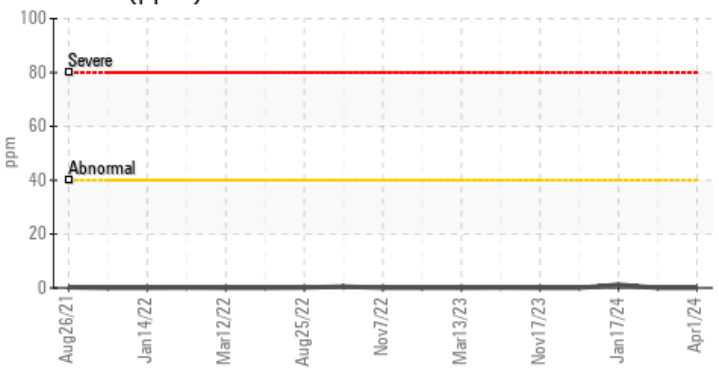
Depot: UNICICIL
Unique No: 10963162
Signed: Wes Davis
Report Date: 05 Apr 2024

GRAPHS

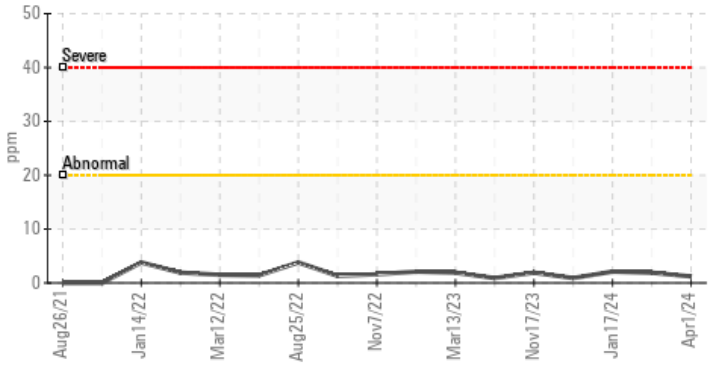
Iron (ppm)



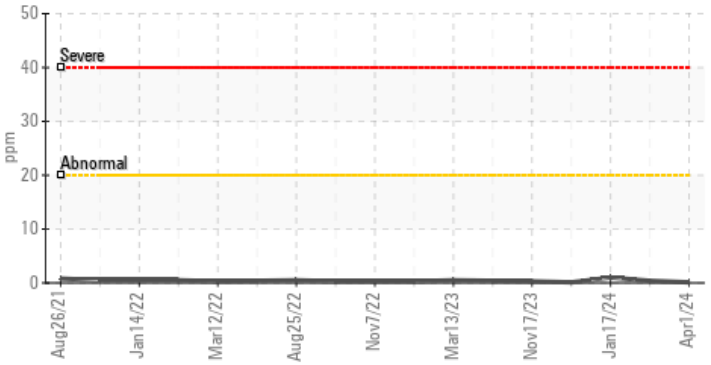
Lead (ppm)



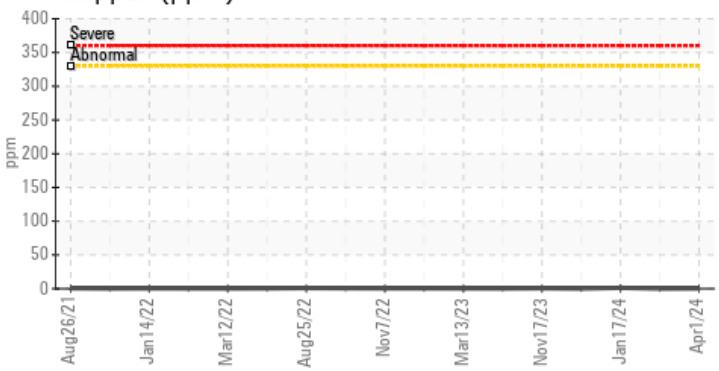
Aluminum (ppm)



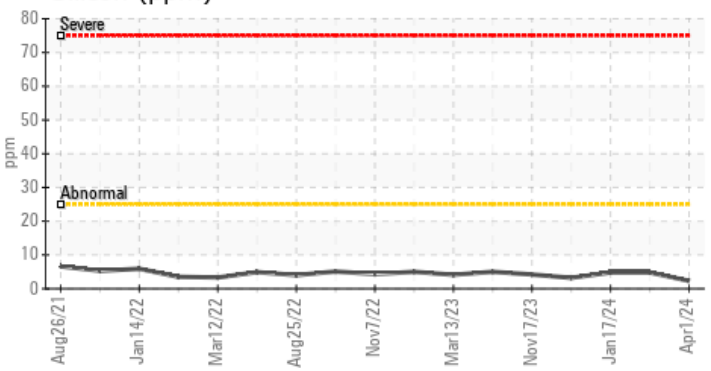
Chromium (ppm)



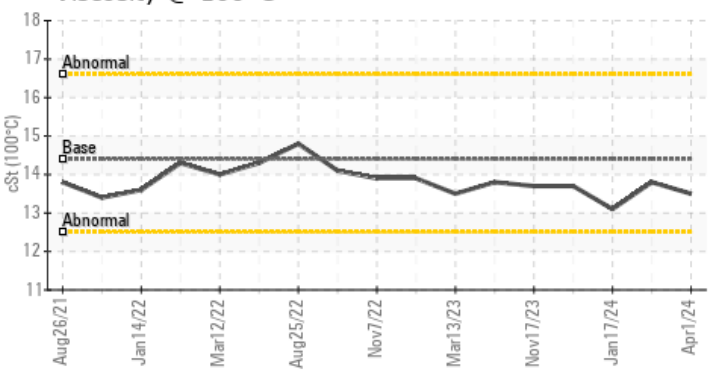
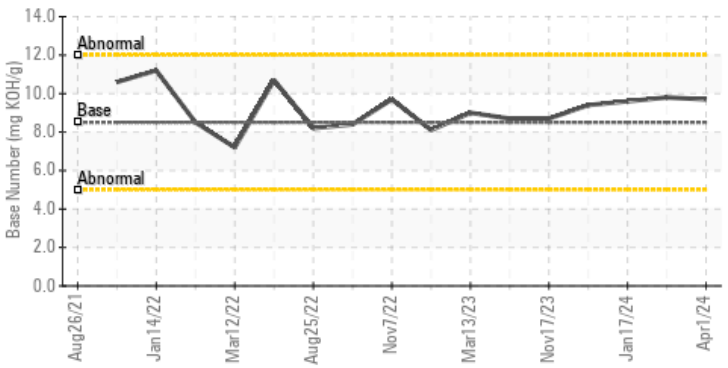
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number