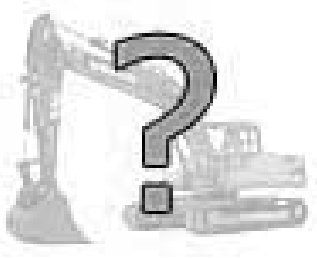
CONSTRUCTION EQUIPMENT

SPM686819 SENNEBOGEN 835ME 835.0.2350 - RIGHT SWING DRIVE

Sample No: VCP443679
Oil Type: GEAR OIL SAE 80W90
Job No: SPM686819



SIMS METAL MANAGEMENT
2500 S. PAULINA
CHICAGO, IL
US 60608
Contact: RYAN WISE
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T:
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SAMPLE INFORMATION

Sample Number		**VCP443679**	VCP404528	VCP355423	VCP358323
Sample Date		**15 Mar 2024**	23 Mar 2023	29 Jun 2022	17 May 2022
Machine Hours		**15766**	13021	11355	10849
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Not Changd	Changed	Not Changd
Sample Status		**NORMAL**	SEVERE	ABNORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**136**	178	194	204

CONTAMINATION

Water	%	**NEG**	0.168	NEG	0.732
Silicon	ppm	**2**	17	20	29
Sodium	ppm	**0**	<1	<1	2
Potassium	ppm	**1**	0	<1	3

WEAR METALS

Iron	ppm	**<1**	102	150	358
Copper	ppm	**<1**	320	521	327
Lead	ppm	**<1**	0	<1	<1
Tin	ppm	**1**	10	14	22
Aluminum	ppm	**2**	1	2	2
Chromium	ppm	**<1**	1	1	2
Molybdenum	ppm	**1**	2	2	2
Nickel	ppm	**<1**	0	<1	1
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**<1**	0	<1	<1
Manganese	ppm	**<1**	1	2	3
Vanadium	ppm	**<1**	0	0	0

ADDITIVES

Calcium	ppm	**25**	2239	2031	2128
Magnesium	ppm	**4**	20	17	11
Zinc	ppm	**27**	862	825	898
Phosphorus	ppm	**402**	766	755	841
Barium	ppm	**<1**	0	0	0
Boron	ppm	**4**	7	12	43

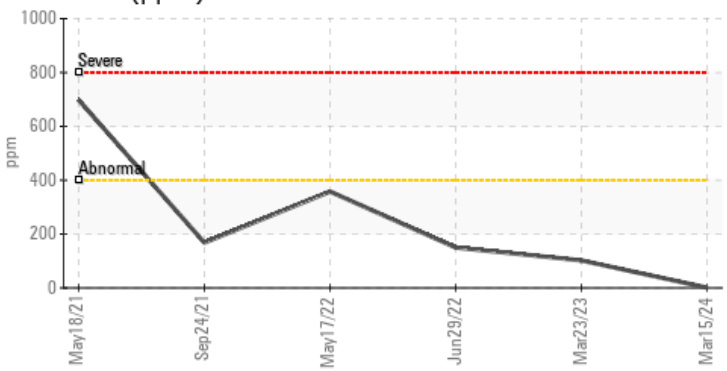
Diagnosis

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.

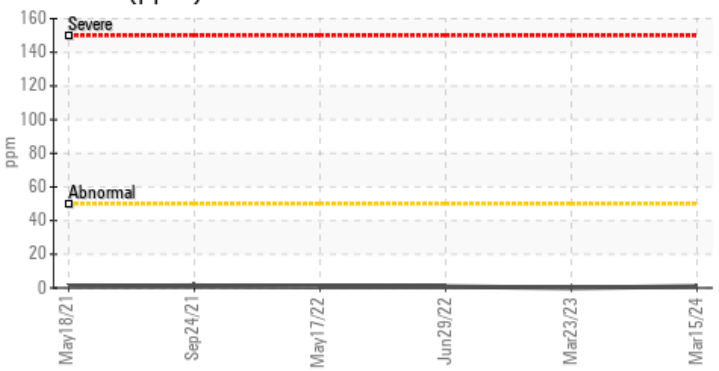
Depot: SIMCHIIL
Unique No: 10941453
Signed: Wes Davis
Report Date: 26 Mar 2024

GRAPHS

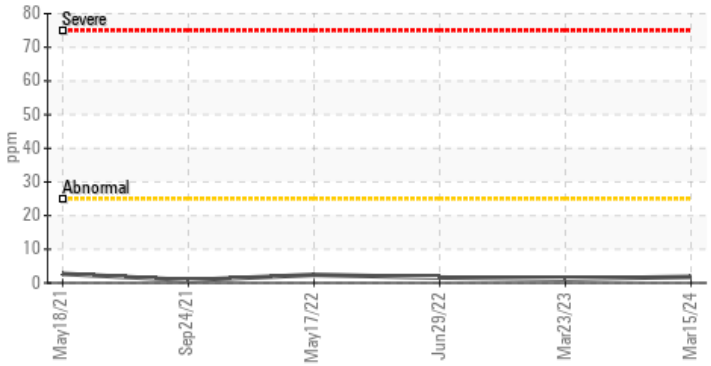
Iron (ppm)



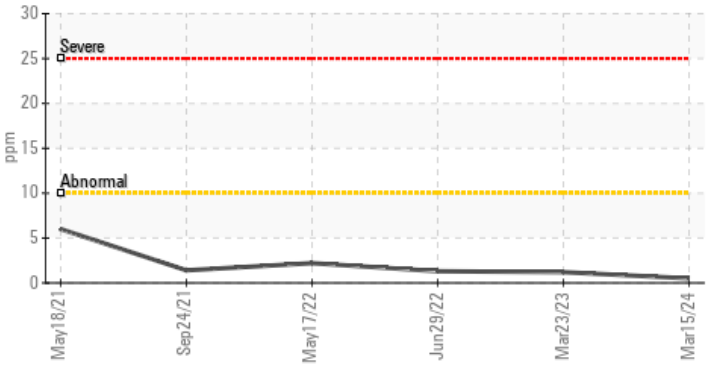
Lead (ppm)



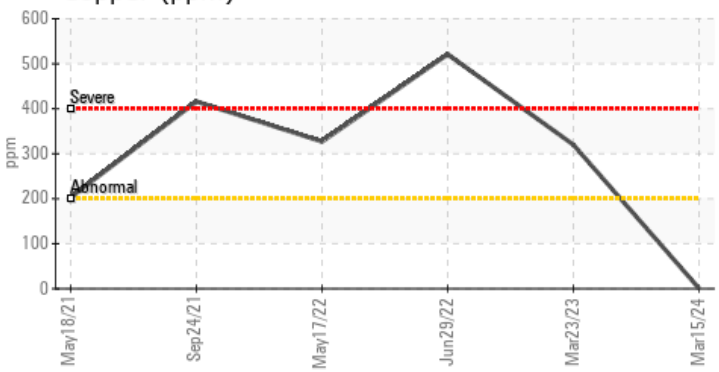
Aluminum (ppm)



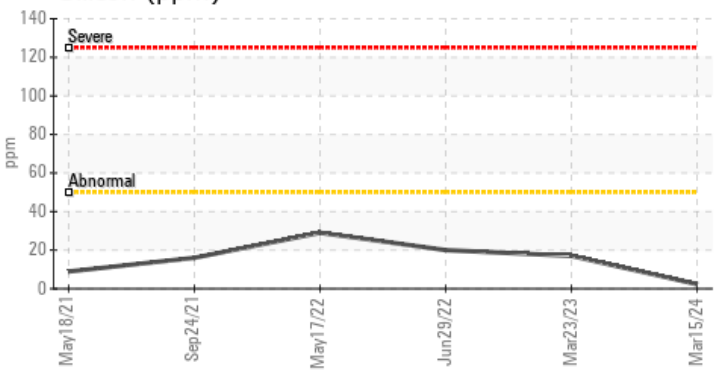
Chromium (ppm)



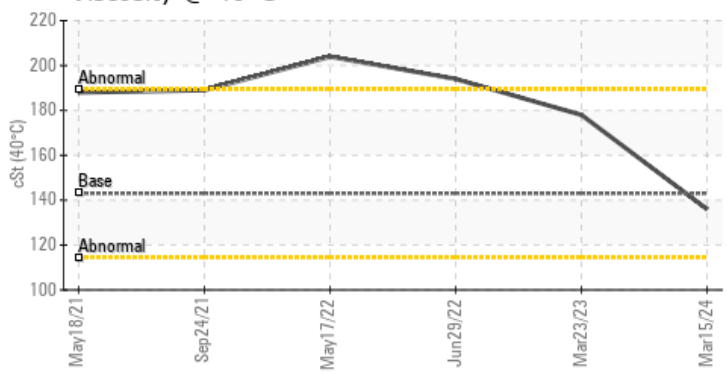
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives