



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SB3000

Machine Id
SENNEBOGEN C20 5114429

Component
Compressor

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The tin level is abnormal. All other component wear rates are normal.

CONTAMINATION

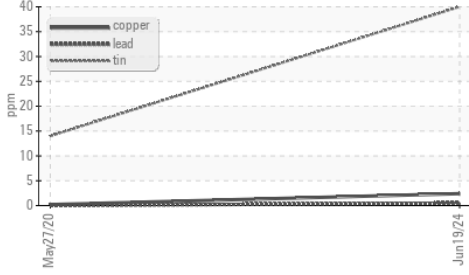
There is no indication of any contamination in the oil.

FLUID CONDITION

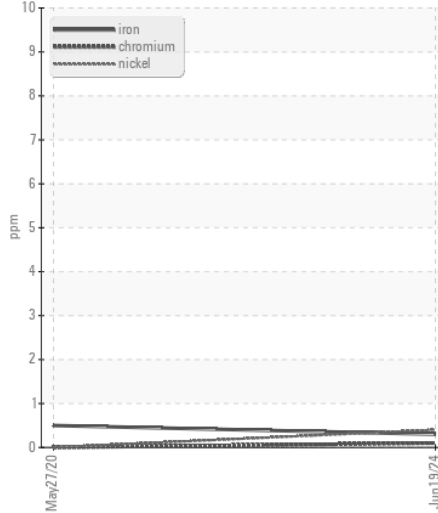
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06231540	UCS05007501	---
Sample Date		Client Info		19 Jun 2024	27 May 2020	---
Machine Age	hrs	Client Info		16147	4843	---
Oil Age	hrs	Client Info		2978	4843	---
Filter Age	hrs	Client Info		2978	4843	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>50	<1	<1	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>15	2	<1	---
Lead	ppm	ASTM D5185m	>65	<1	0	---
Copper	ppm	ASTM D5185m	>65	2	<1	---
Tin	ppm	ASTM D5185m	>10	▲ 40	▲ 14	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>35	1	4	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Water	%	ASTM D6304	>0.1	0.033	---	---
ppm Water	ppm	ASTM D6304	>1000	330	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	---
Sodium	ppm	ASTM D5185m		4	<1	---
Boron	ppm	ASTM D5185m		0	<1	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		<1	0	---
Calcium	ppm	ASTM D5185m		0	<1	---
Phosphorus	ppm	ASTM D5185m		52	54	---
Zinc	ppm	ASTM D5185m		132	35	---
Sulfur	ppm	ASTM D5185m		0	22	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.190	---
Visc @ 40°C	cSt	ASTM D445		66.6	56.7	---

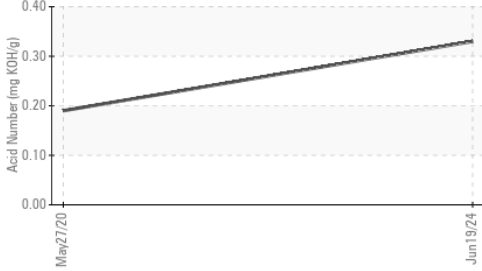
▲ Non-ferrous Metals



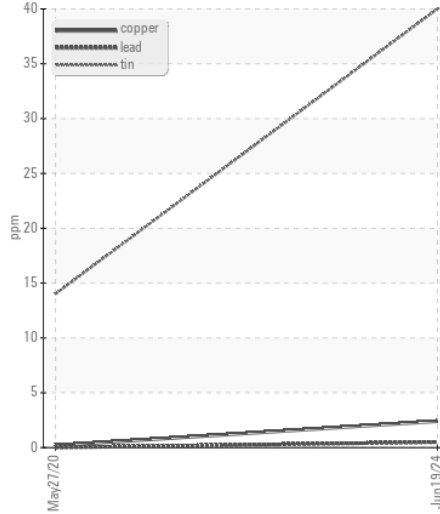
Ferrous Alloys



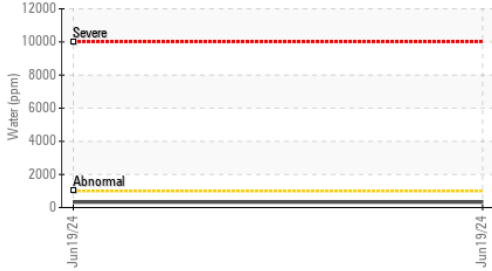
Acid Number



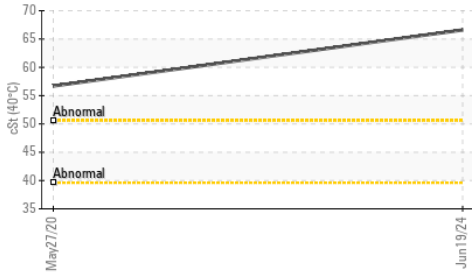
▲ Non-ferrous Metals



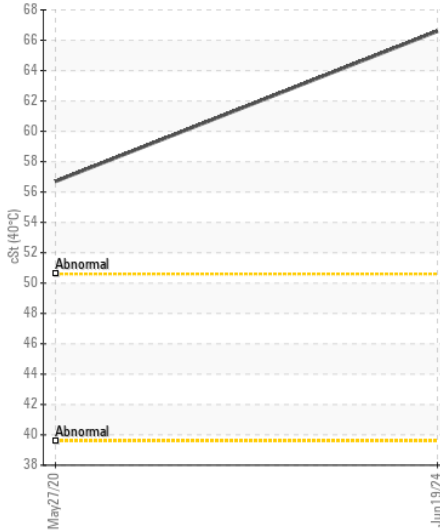
Water (KF)



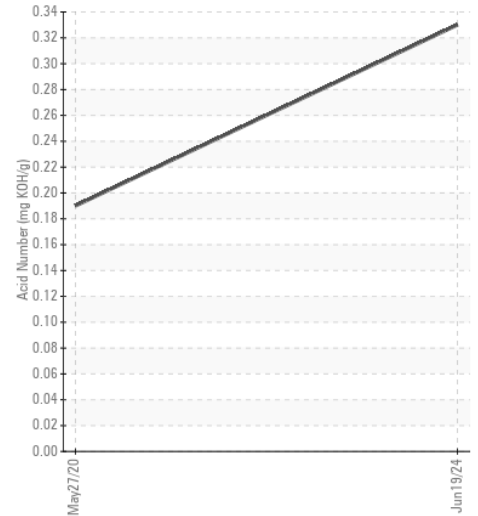
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06231540 **Received** : 09 Jul 2024
Lab Number : 06231540 **Tested** : 15 Jul 2024
Unique Number : 11115033 **Diagnosed** : 15 Jul 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

JEMCO-MAXAIR

WEST FARGO, ND
 US 58078

Contact: DALE K
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T: (701)281-0362

F: x:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)