



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**VOGELE F-84**  
Component  
**Right Planetary**  
Fluid  
**CASTROL SYNGEAR 80W140 (0 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MT0002345</b>	MT0002349	MTMCF55184
Sample Date		Client Info		<b>24 Jun 2021</b>	21 Apr 2021	30 Oct 2018
Machine Age	hrs	Client Info		<b>10758</b>	10758	9765
Oil Age	hrs	Client Info		<b>1000</b>	1000	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>20</b>	31	31
Iron	ppm	ASTM D5185m	>500	<b>26</b>	894	▲ 2046
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	8	▲ 14
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	5	8
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	4	5
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	▲ 153	▲ 239
Tin	ppm	ASTM D5185m	>10	<b>0</b>	3	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

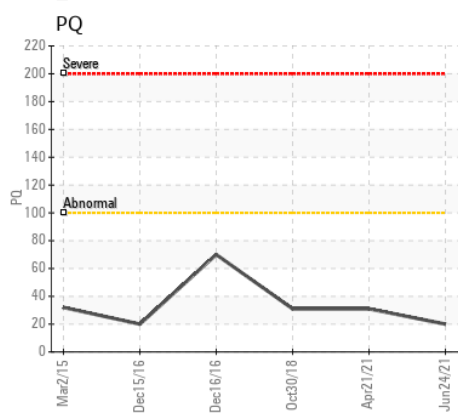
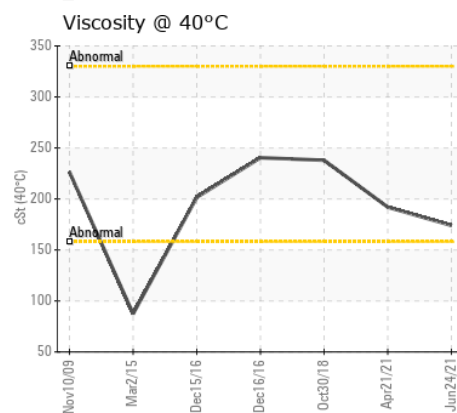
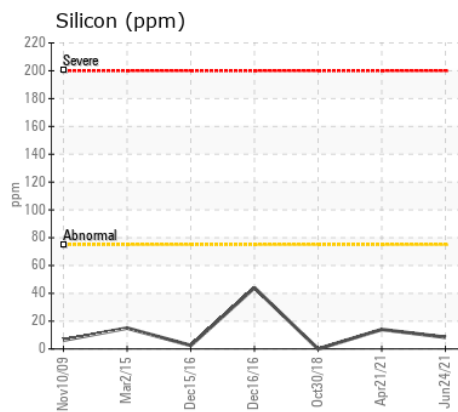
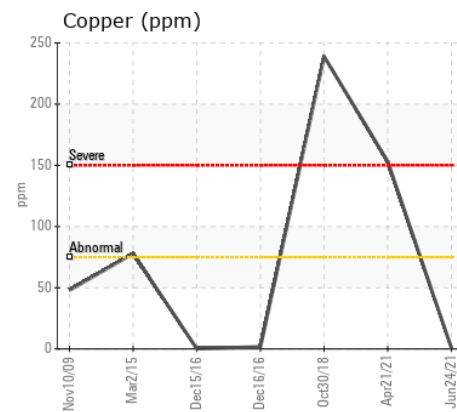
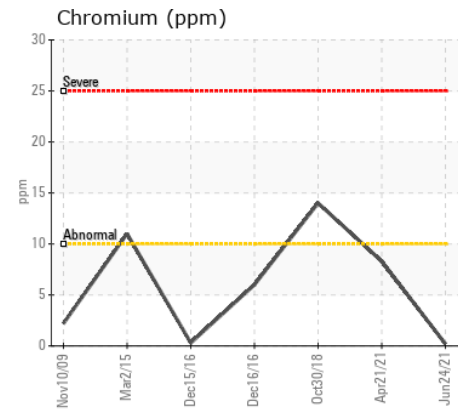
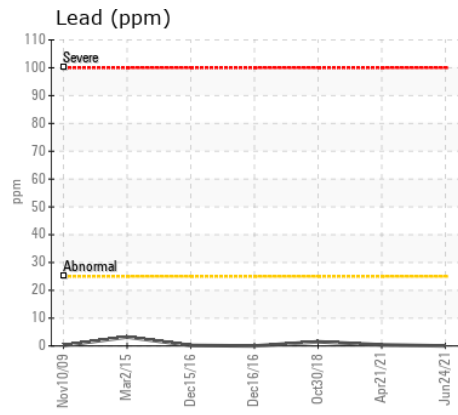
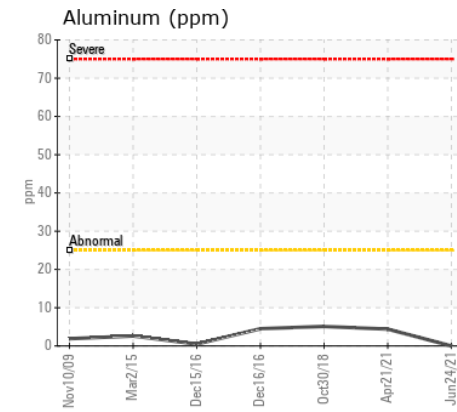
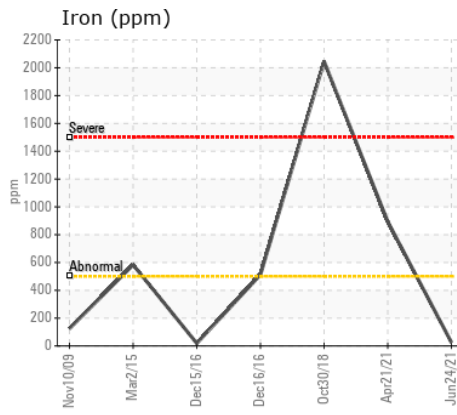
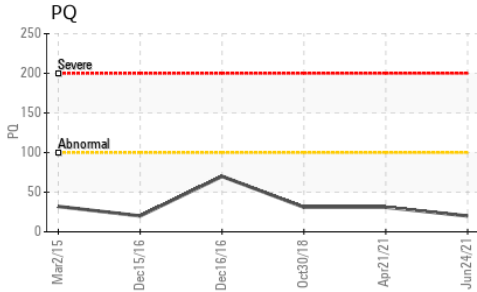
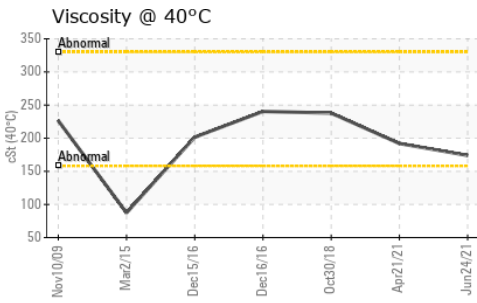
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	14	0
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	4	4
Boron	ppm	ASTM D5185m		<b>29</b>	70	61
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>75</b>	64	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	7	15
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Calcium	ppm	ASTM D5185m		<b>142</b>	39	9
Phosphorus	ppm	ASTM D5185m		<b>275</b>	397	1066
Zinc	ppm	ASTM D5185m		<b>75</b>	28	48
Sulfur	ppm	ASTM D5185m		<b>6000</b>	8021	19463
Visc @ 40°C	cSt	ASTM D445		<b>174</b>	192	237.9



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MT0002345 **Received** : 24 Jun 2021  
**Lab Number** : 05287895 **Tested** : 25 Jun 2021  
**Unique Number** : 9556833 **Diagnosed** : 29 Jun 2021 - Jonathan Hester  
**Test Package** : MOBCE ( Additional Tests: PQ )

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Certificate L2367  
 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)