



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

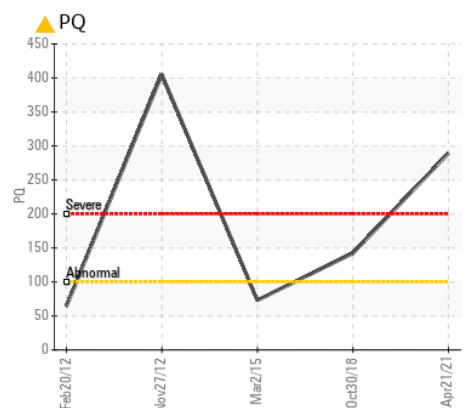
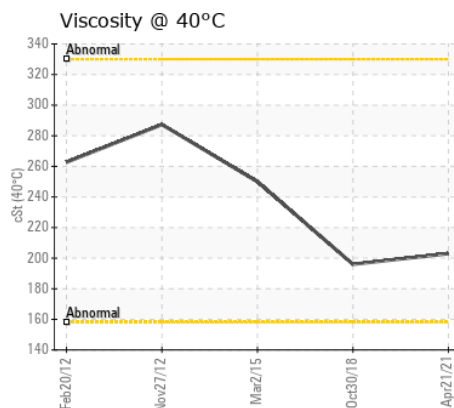
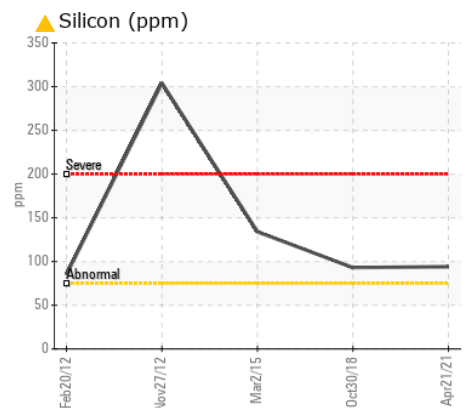
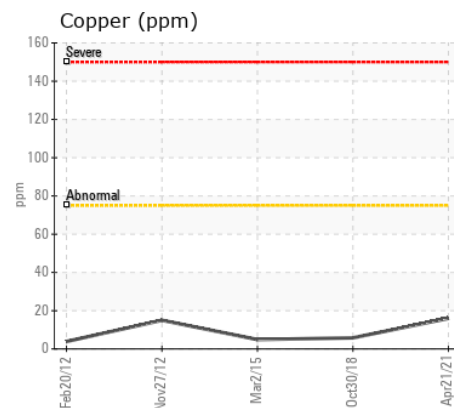
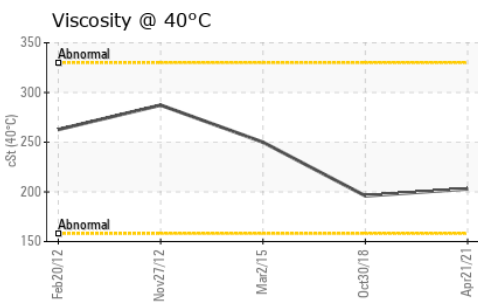
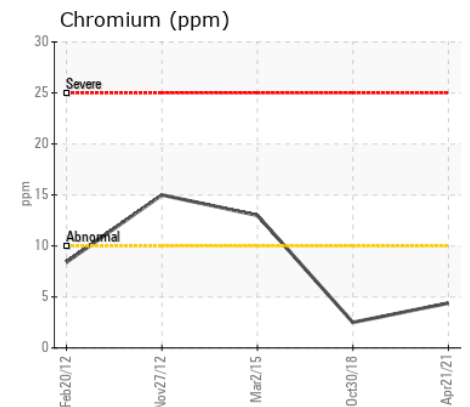
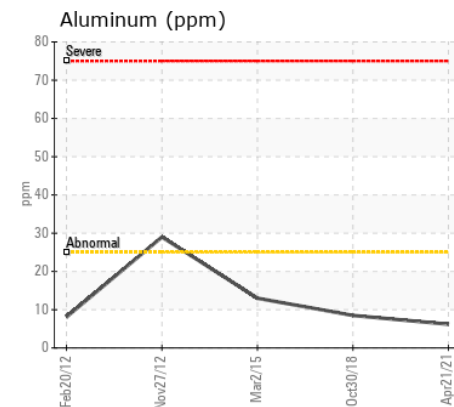
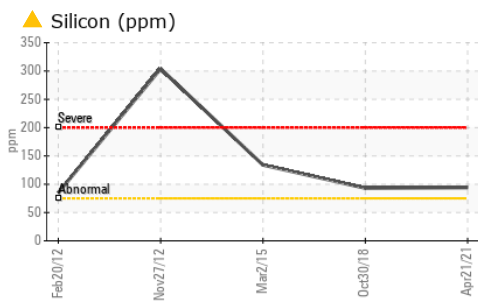
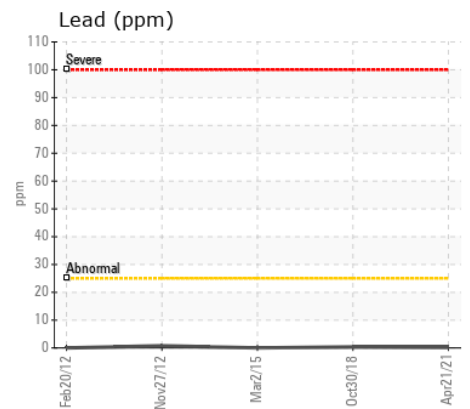
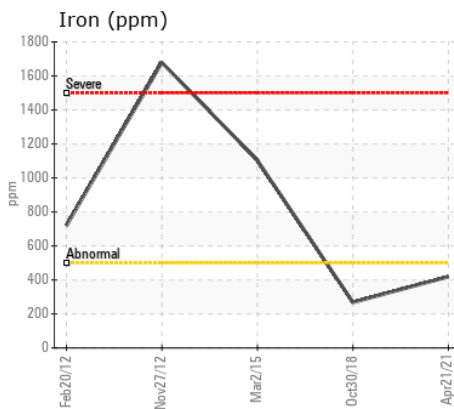
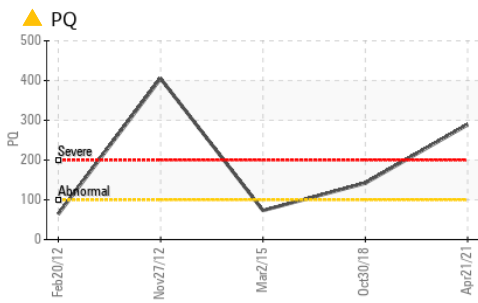
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MT0002346	MTMCF55181	MTMCF1259
Sample Date		Client Info		21 Apr 2021	30 Oct 2018	02 Mar 2015
Machine Age	hrs	Client Info		10758	9765	6170
Oil Age	hrs	Client Info		1000	0	1595
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ		ASTM D8184		▲ 289	142	73.0
Iron	ppm	ASTM D5185m	>500	419	268	▲ 1103
Chromium	ppm	ASTM D5185m	>10	4	2	▲ 13
Nickel	ppm	ASTM D5185m		4	1	4
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	● 8	● 13
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>75	16	6	5
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	LIGHT	LIGHT	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 94	▲ 93	▲ 134
Potassium	ppm	ASTM D5185m	>20	2	4	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		3	4	4
Boron	ppm	ASTM D5185m		20	69	82
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		29	2	23
Manganese	ppm	ASTM D5185m		3	2	6
Magnesium	ppm	ASTM D5185m		6	5	11
Calcium	ppm	ASTM D5185m		121	123	130
Phosphorus	ppm	ASTM D5185m		176	916	862
Zinc	ppm	ASTM D5185m		19	81	8
Sulfur	ppm	ASTM D5185m		6628	16709	19507
Visc @ 40°C	cSt	ASTM D445		203	196.0	250.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MT0002346 **Received** : 24 Jun 2021
Lab Number : 05287891 **Tested** : 25 Jun 2021
Unique Number : 9556829 **Diagnosed** : 29 Jun 2021 - Jonathan Hester
Test Package : MOBCE (Additional Tests: PQ)

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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)