



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
VOGELE F-84 CONVEYOR
Component
Left 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

There is no indication of any contamination in the oil.

FLUID CONDITION

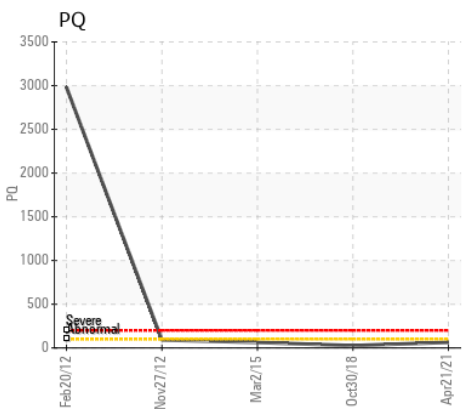
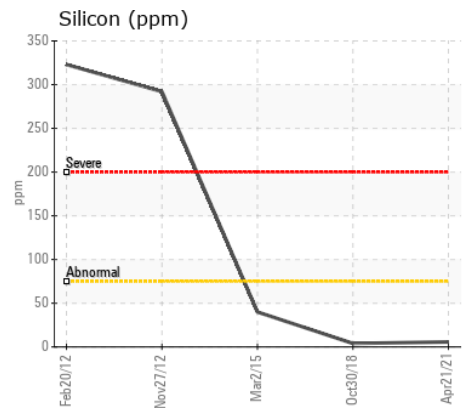
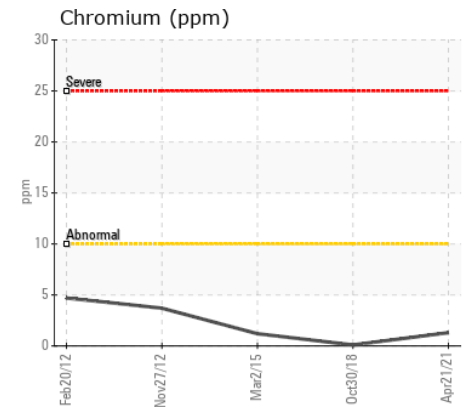
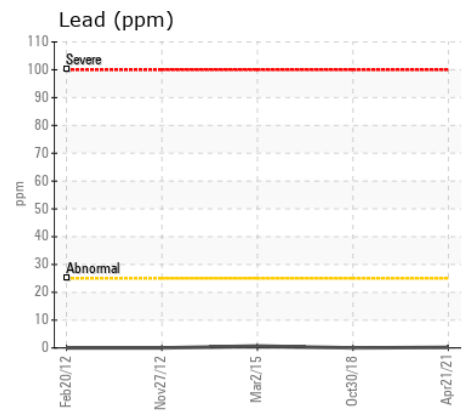
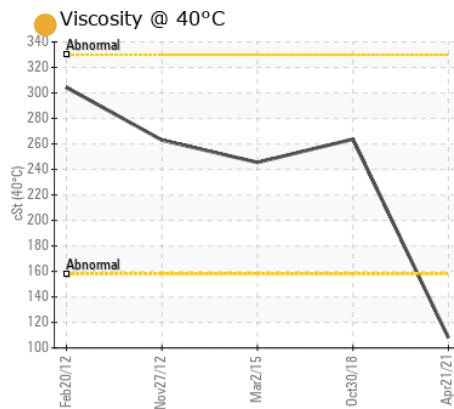
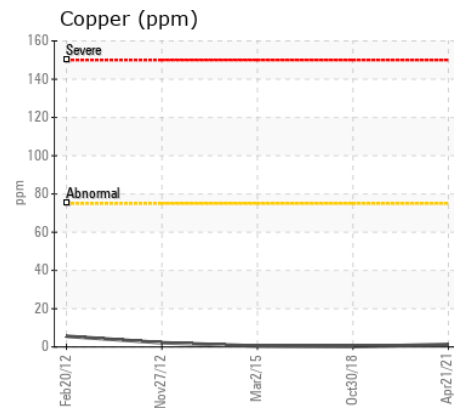
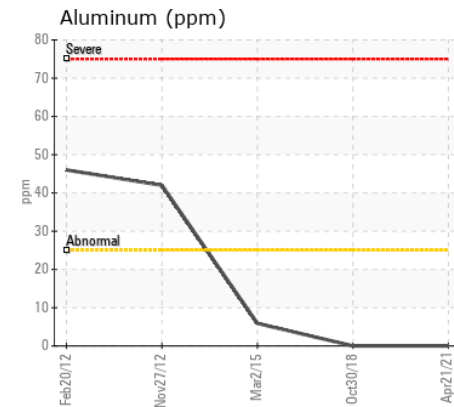
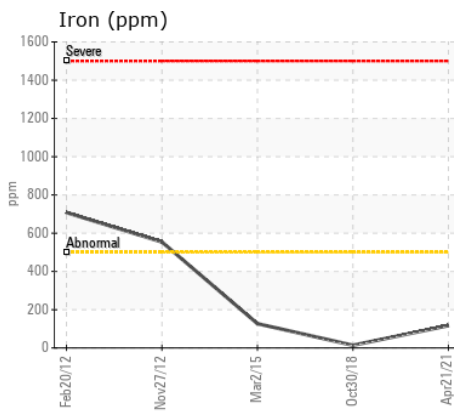
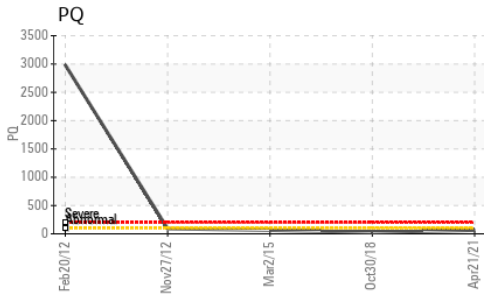
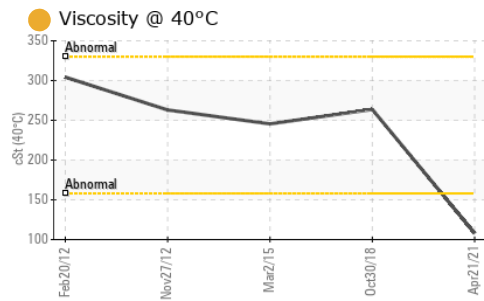
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MT0002344	MTMCF55177	MTMCF01258
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				ATTENTION	NORMAL	NORMAL

PQ		ASTM D8184		64	27	63.0
Iron	ppm	ASTM D5185m	>500	117	14	127
Chromium	ppm	ASTM D5185m	>10	1	<1	1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	6
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>75	1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	6	4	40
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
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		2	5	2
Boron	ppm	ASTM D5185m		43	192	126
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		38	<1	8
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		3	0	0
Calcium	ppm	ASTM D5185m		396	14	95
Phosphorus	ppm	ASTM D5185m		365	1070	875
Zinc	ppm	ASTM D5185m		275	7	1
Sulfur	ppm	ASTM D5185m		6235	19160	19628
Visc @ 40°C	cSt	ASTM D445		108	263.7	245.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MT0002344 **Received** : 24 Jun 2021
Lab Number : 05287890 **Tested** : 25 Jun 2021
Unique Number : 9556828 **Diagnosed** : 29 Jun 2021 - Jonathan Hester
Test Package : MOBCE (Additional Tests: PQ)

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)

SHELLY AND SANDS INC.
 3570 SOUTH RIVER RD
 ZANESVILLE, OH
 US 43701

Contact: PATRICK STEMM
 p.stemm@shellyandsands.com

T: (740)453-6260

F: (740)453-6980