

## Machine Id VOGELE F-84 Component Left Final Drive Fluid GEAR OIL SAE 80W140 (3 GAL)

## RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

V	V	E	Α	R

The iron level has decreased, but is still abnormal. Bearing and/or gear wear is indicated.

## CONTAMINATION

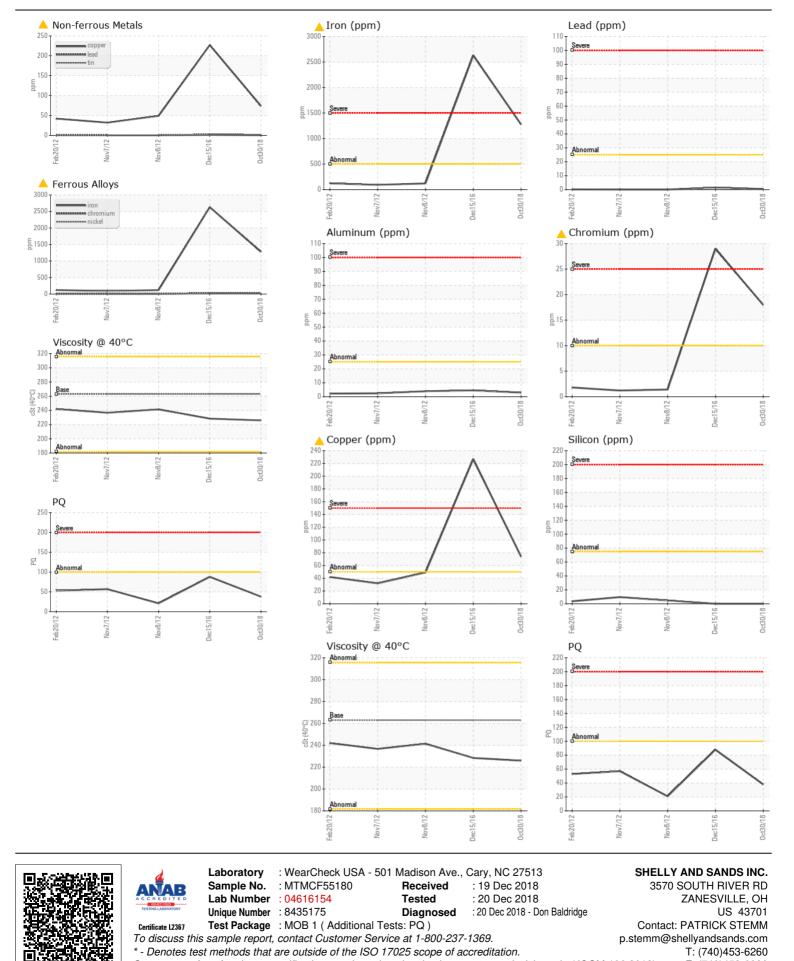
There is no indication of any contamination in the oil.

## 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		MTMCF55180	MTMCF11874	MTMC067242
Sample Date		Client Info		30 Oct 2018	15 Dec 2016	08 Nov 2012
Machine Age	hrs	Client Info		9765	8594	4575
Oil Age	hrs	Client Info		0	1138	875
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
PQ		ASTM D8184		38	88	21.0
Iron	ppm	ASTM D5185m	>500	<b>1278</b>	<b>2</b> 630	120
Chromium	ppm	ASTM D5185m	>10	<b>1</b> 8	<b>2</b> 9	1
Nickel	ppm	ASTM D5185m		5	<b>1</b> 1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	4	4
Lead	ppm	ASTM D5185m	>25	<1	1	0
Copper	ppm	ASTM D5185m	>50	<b>4</b> 74	<b>2</b> 27	49
Tin	ppm	ASTM D5185m	>10	2	3	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	0	0	5
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	ррш	WC Method	>0.2	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
		v isuai	20.2		NEG	NLG
Sodium	ppm	ASTM D5185m		7	4	1
Boron	ppm	ASTM D5185m	400	173	102	142
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	0	0	0
Manganese	ppm	ASTM D5185m		8	18	1
Magnesium	ppm	ASTM D5185m	12	0	0	0
Calcium	ppm	ASTM D5185m	150	27	9	15
Phosphorus	ppm	ASTM D5185m	1650	1130	1043	1075
Zinc	ppm	ASTM D5185m	125	21	38	6
Sulfur	ppm	ASTM D5185m	22500	19317	24223	22304
	ppm cSt	ASTM D5185m ASTM D445	22500 263	19317 225.9	24223 228.4	22304 241.4

Contact/Location: PATRICK STEMM - SHEZAN



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

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