

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





Diesel Engine

SHELL ROTELLA T4 15W40 (--- GAL)

### DIAGNOSIS

#### Recommendation

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.

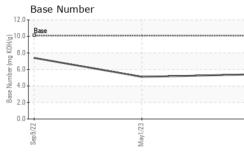
#### Fluid Condition

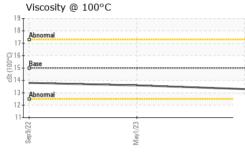
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Swy2022 Mwy2023 Jul2023												
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2						
Sample Number		Client Info		PCA0097127	PCA0089613	PCA0079355						
Sample Date		Client Info		12 Jul 2023	01 May 2023	09 Sep 2022						
Machine Age	mls	Client Info		875223	855254	815806						
Oil Age	mls	Client Info		19969	17891	19486						
Oil Changed		Client Info		Changed	Changed	Changed						
Sample Status				NORMAL	NORMAL	NORMAL						
CONTAMINAT	ION	method	limit/base	current	history1	history2						
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0						
Glycol		WC Method		NEG	NEG	NEG						
WEAR METAL	S	method	limit/base	current	history1	history2						
Iron	ppm	ASTM D5185m	>165	16	27	12						
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1						
Nickel	ppm	ASTM D5185m	>4	0	0	0						
Titanium	ppm	ASTM D5185m	>2	0	<1	0						
Silver	ppm	ASTM D5185m	>2	0	0	0						
Aluminum	ppm	ASTM D5185m	>20	2	4	4						
Lead	ppm	ASTM D5185m	>150	3	3	8						
Copper	ppm	ASTM D5185m	>90	<1	<1	<1						
Tin	ppm	ASTM D5185m	>5	0	<1	<1						
Vanadium	ppm	ASTM D5185m		0	0	0						
Cadmium	ppm	ASTM D5185m		0	0	0						
ADDITIVES		method	limit/base	current	history1	history2						
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 42	history1 86	history2 114						
	ppm ppm		limit/base									
Boron		ASTM D5185m	limit/base	42	86	114						
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m	limit/base	42 0	86 0	114 0						
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13	86 0 28	114 0 78						
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13 <1	86 0 28 <1	114 0 78 0						
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13 <1 97	86 0 28 <1 199 2083 1056	114 0 78 0 426 1461 974						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13 <1 97 2319 1020 1319	86 0 28 <1 199 2083 1056 1268	114 0 78 0 426 1461 974 1231						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13 <1 97 2319 1020	86 0 28 <1 199 2083 1056	114 0 78 0 426 1461 974						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	42 0 13 <1 97 2319 1020 1319	86 0 28 <1 199 2083 1056 1268	114 0 78 0 426 1461 974 1231						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		42 0 13 <1 97 2319 1020 1319 4243	86 0 28 <1 199 2083 1056 1268 3926	114 0 78 0 426 1461 974 1231 3178						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	limit/base >35	42 0 13 <1 97 2319 1020 1319 4243 <u>current</u> 4 <1	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1	114 0 78 0 426 1461 974 1231 3178 history2 8 1						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	limit/base >35	42 0 13 <1 97 2319 1020 1319 4243 current 4	86 0 28 <1 199 2083 1056 1268 3926 history1 6	114 0 78 0 426 1461 974 1231 3178 history2 8						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> ASTM D5185m	limit/base >35	42 0 13 <1 97 2319 1020 1319 4243 <u>current</u> 4 <1	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1	114 0 78 0 426 1461 974 1231 3178 history2 8 1						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m	limit/base >35 >20	42 0 13 <1 97 2319 1020 1319 4243 current 4 <1 4	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20 limit/base >7.5	42 0 13 <1 97 2319 1020 1319 4243 current 4 <1 4 <1 4	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10 history1 0.5 8.9	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5 5 history2						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20 limit/base >7.5 >20	42 0 13 <1 97 2319 1020 1319 4243 <u>current</u> 4 <1 4 <u>current</u>	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10 history1 0.5	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5 history2 0.6						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20 limit/base >7.5 >20	42 0 13 <1 97 2319 1020 1319 4243 <u>current</u> 4 <1 4 <u>current</u> 0.5 9.9 24.2	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10 history1 0.5 8.9	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5 history2 0.6 10.5						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20 limit/base >7.5 >20 >30	42 0 13 <1 97 2319 1020 1319 4243 <u>current</u> 4 <1 4 <u>current</u> 0.5 9.9 24.2	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10 history1 0.5 8.9 21.4	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5 <u>history2</u> 0.6 10.5 25.9						
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844	limit/base >35 >20 limit/base >7.5 >20 >30 limit/base	42 0 13 <1 97 2319 1020 1319 4243 Current 4 <1 4 <1 4 Current 0.5 9.9 24.2 Current	86 0 28 <1 199 2083 1056 1268 3926 history1 6 <1 10 history1 0.5 8.9 21.4 history1	114 0 78 0 426 1461 974 1231 3178 history2 8 1 5 history2 0.6 10.5 25.9 history2						



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	VISUAL		method	limit/base	current	history1	history2
****	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt		*Visual	NONE	NONE	NONE	NONE
/23	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Jul12/23	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
	Free Water	scalar	*Visual	20.L	NEG	NEG	NEG
	FLUID PROPE		method	limit/base	current	history1	history2
	Visc @ 100°C	cSt	ASTM D445		13.3	13.6	13.8
	GRAPHS			-			
	Ferrous Alloys						
	<sup>30</sup> T						
	25 - iron	$\wedge$					
	nickel						
	20						
	En 15						
	10						
	5-						
				······			
	Sep 9/22	May1/23		Jul12/23			
	S	Ma		Jul			
	Non-ferrous Meta	ls					
	10 copper						
	8-						
	_ 6						
	udd .						
	1	and the second s					
	2	1					
	22	23	and and and and been	23			
	Sep9/22	May1/23		Jul12/23			
	Viscosity @ 100°C			7			
	<sup>19</sup>			12.0	Base Number		
	19 18 Abnormal			10.0	Race		
	19 18 17			10.0	Base		*****
	19 18 17			10.0	Base		
	19 18 17			10.0	Base		
	19 18 Abnormal 17			10.0	Base		
	19 18 17	-		10.0 (6)(HO)X Bull Base Mumba et al. 4.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	Base		
	19 18 Abnormal 17 Colo 15 Base 14 12			10.0	Base		
	19 Abnormal   17 Abnormal   17 Base   16 Base   17 Abnormal   12 11			(b)HOX but see B 2.0	Base		
	19 Abnormal   17 Abnormal   17 Base   16 Base   17 Abnormal   12 11			(b)HOX but see B 2.0	Base	621/M	
	19 18 <b>Abnormal</b> 17 <b>C</b> 16 15 <b>Base</b> 14 13 <b>Abnormal</b> 12	May1/23		(0,HO X Bu) a d (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Base	May1/23	
	19 18 <b>Abnormal</b> 17 <b>Compared and Service and Serv</b>	May1/23		0.0 1.8 1.8 1.6 1.0 8936 (mmper (md KOH(0) 2.1 8936 (mmper 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	Base Comparison of the second	May123	
Laboratory	19   Abnormal     11   Abnormal     12   Base     13   Abnormal     12   Abnormal     13   Abnormal     14   Abnormal     13   Abnormal     14   Abnormal     13   Abnormal     14   Abnormal     15   Base     14   Abnormal     15   Base     12   Base     11   Control of the second secon	EZI/Vew 501 Madis		(0)HOX Building (0)HOX Buildin	Base Comparison of the second		
Laboratory Sample No.	<sup>19</sup> <sup>19</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>11</sup> <sup>10</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup>	EZU/Jegw 501 Madia Received	d : 20 .	(0)HOX Bul 10.0	Base Comparison of the second	1501 W DA	RLINGTON 8
Laboratory Sample No. Lab Number	<sup>19</sup> <sup>19</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup>	501 Madia Received Diagnose	d : 20 . ed : 21 .	(0)H03 Bul 10.0	Base Comparison of the second	1501 W DA	RLINGTON S LORENCE, S
Laboratory Sample No.	<sup>19</sup> <sup>19</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup> <sup>11</sup>	EZU/Jegw 501 Madia Received	d : 20 . ed : 21 .	(0)HOX Bul 10.0	Base Comparison of the second	1501 W DA F	VULCRAI RLINGTON S LORENCE, S US 295 AVID VOUGH
Laboratory Sample No. Lab Number Unique Number	19   Abnormal     17   Abnormal     18   Base     19   Interview     10   Interview     13   Abnormal     12   Interview     14   Interview     15   Base     12   Interview     13   Abnormal     12   Interview     13   Abnormal     12   Interview     11   Interview     12   Interview     13   Interview     14   Interview     15   Base     12   Interview     14   Interview     15   Base     16   Interview     17   Interview     18   Interview <t< td=""><td>501 Madia Received Diagnost Vice at 1-8</td><td>d : 20 ed : 21 tician : Dor</td><td>ry, NC 27513 Jul 2023 Baldridge</td><td>Base Base 7 7 7 7 7 8 8</td><td>1501 W DA F Contact: D/ david.vought@</td><td>RLINGTON S LORENCE, S US 295 AVID VOUGH</td></t<>	501 Madia Received Diagnost Vice at 1-8	d : 20 ed : 21 tician : Dor	ry, NC 27513 Jul 2023 Baldridge	Base Base 7 7 7 7 7 8 8	1501 W DA F Contact: D/ david.vought@	RLINGTON S LORENCE, S US 295 AVID VOUGH