

### **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# ACECO RWSB-W 10061374 - TROLLEY WEST (S/N 3218)

Gearbox

Fluid SHELL OMALA S2 GX 220 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

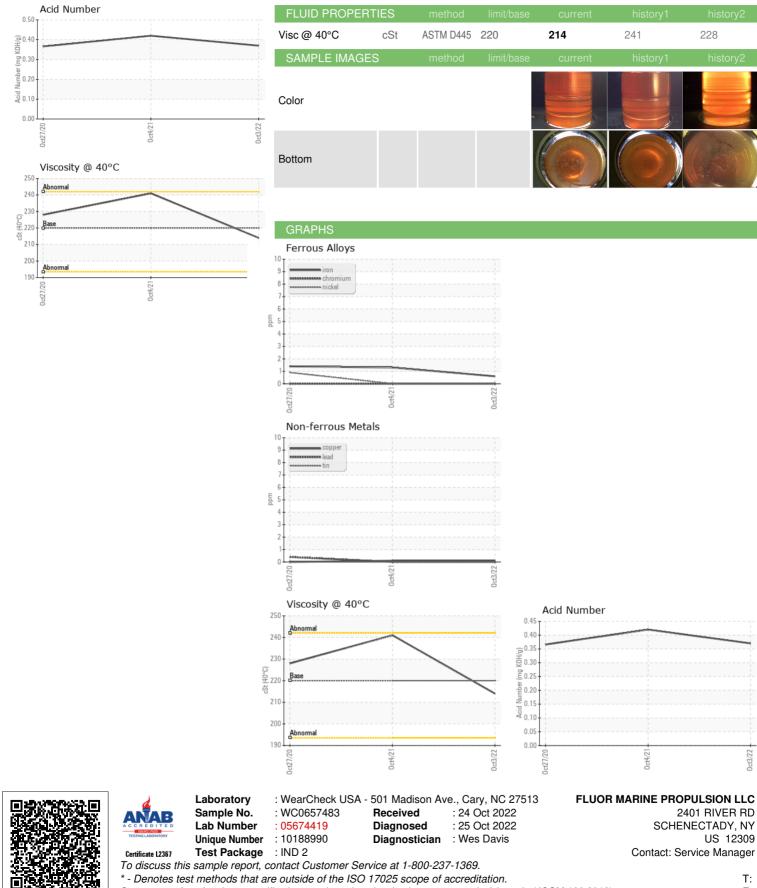
#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			+2020	0+2021 0+2	022	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
		Client Info		WC0657483	WC0524930	WC0456471
Sample Number				03 Oct 2022		
Sample Date	una tela a	Client Info			04 Oct 2021	27 Oct 2020
Machine Age	mths	Client Info		0	0	0 12
Oil Age	mths	Client Info		36		
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	1	1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	0
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES	ppm	method	limit/base	-	history1	history2
			6.2			
Boron	ppm	ASTM D5185m	*.=	<1	8	<1
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m	<u>^</u>	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	1	1	0
Calcium	ppm	ASTM D5185m		5	15	6
Phosphorus	ppm	ASTM D5185m	290	267	275	259
Zinc	ppm	ASTM D5185m		11	14	7
Sulfur	ppm	ASTM D5185m	8167	12853	9060	8621
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	0	0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.420	0.366
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	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
					Serwice	
Free Water	scalar	*Visual		NEG	oer weeswanay	



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

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