



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**COVINGTON**  
Component  
**Starboard Reduction Gear**  
Fluid  
**CHEVRON MEROPA 320 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

**WEAR**

Gear wear is indicated.

**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

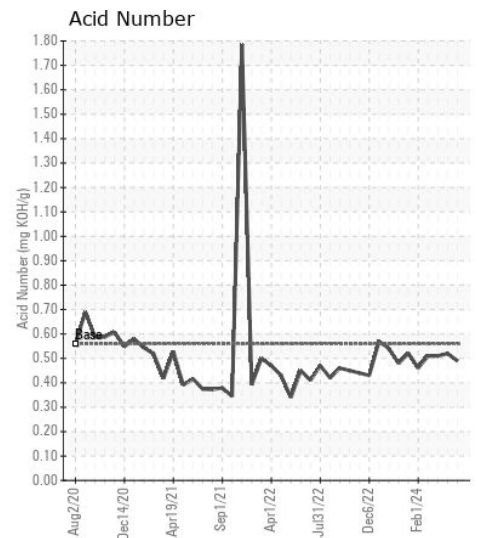
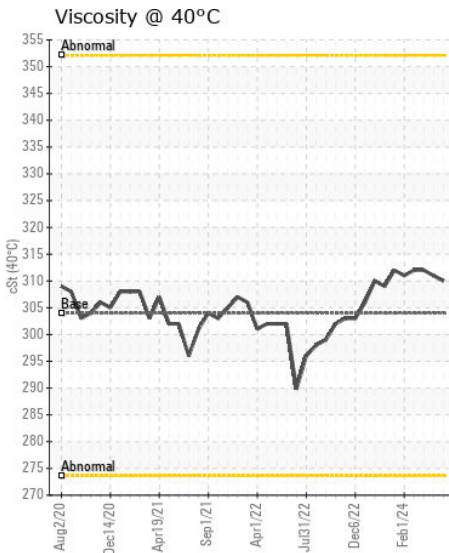
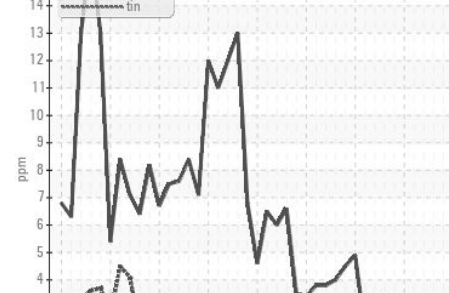
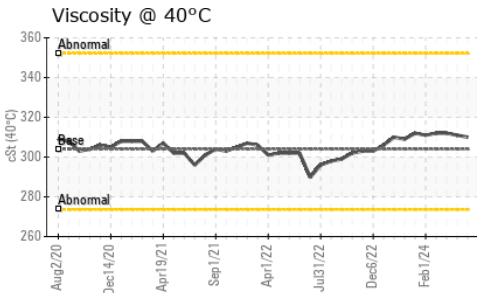
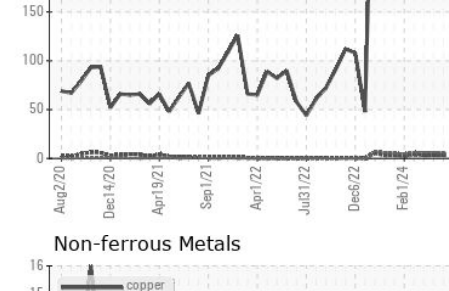
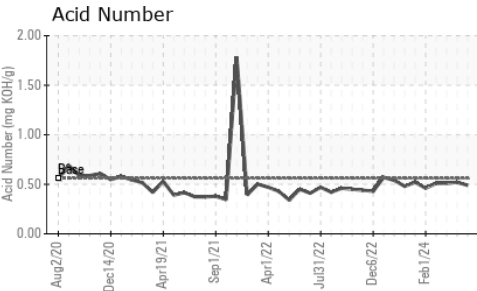
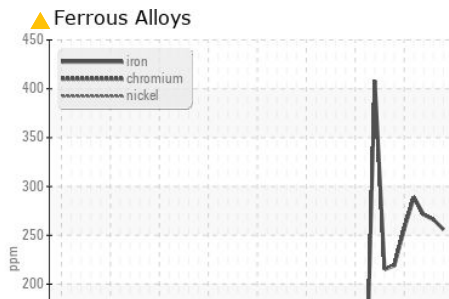
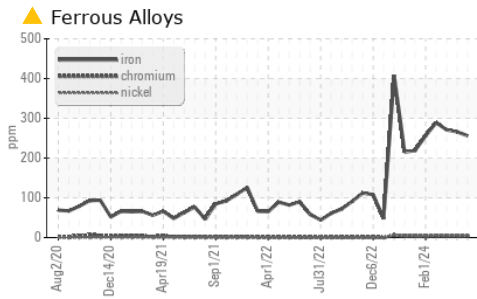
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0069948</b>	MW0062677	MW0057053
Sample Date		Client Info		<b>04 Apr 2024</b>	18 Mar 2024	01 Mar 2024
Machine Age	hrs	Client Info		<b>4193</b>	3944	3560
Oil Age	hrs	Client Info		<b>4193</b>	2002	3560
Filter Age	hrs	Client Info		<b>200</b>	0	27
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>▲ 256</b>	266	271
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	6	6
Titanium	ppm	ASTM D5185m		<b>2</b>	2	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	6	6
Lead	ppm	ASTM D5185m	>100	<b>1</b>	1	2
Copper	ppm	ASTM D5185m	>50	<b>3</b>	3	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	<b>10</b>	10	10
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>3</b>	3	0
Boron	ppm	ASTM D5185m	20	<b>19</b>	17	20
Barium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	1
Manganese	ppm	ASTM D5185m		<b>3</b>	3	2
Magnesium	ppm	ASTM D5185m		<b>15</b>	10	9
Calcium	ppm	ASTM D5185m	25	<b>49</b>	33	29
Phosphorus	ppm	ASTM D5185m	235	<b>245</b>	244	244
Zinc	ppm	ASTM D5185m		<b>19</b>	9	14
Sulfur	ppm	ASTM D5185m		<b>8091</b>	7673	7232
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>0.49</b>	0.52	0.51
Visc @ 40°C	cSt	ASTM D445	304	<b>310</b>	311	312



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0069948  
**Lab Number** : 06152651  
**Unique Number** : 10982729  
**Test Package** : MAR 2

**Received** : 17 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Sean Felton

**C & B MARINE**  
 50 E RIVERCENTER BLVD, SUITE 1180  
 COVINGTON, KY  
 US 41011

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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)