



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

Area  
**RONALD L SENSENBACH**  
Machine Id  
[RONALD L SENSENBACH] 006 685579-6  
Component  
Starboard Reduction Gear  
Fluid  
CHEVRON REGAL OIL R&O 150 (--- GAL)

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0068220</b>	MW0068224	MW0058697
Sample Date		Client Info		<b>01 May 2024</b>	01 Apr 2024	02 Mar 2024
Machine Age	hrs	Client Info		<b>95454</b>	94768	94058
Oil Age	hrs	Client Info		<b>4336</b>	0	2900
Filter Age	hrs	Client Info		<b>120</b>	0	792
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>5</b>	5	4
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	1	1
Copper	ppm	ASTM D5185m	>50	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

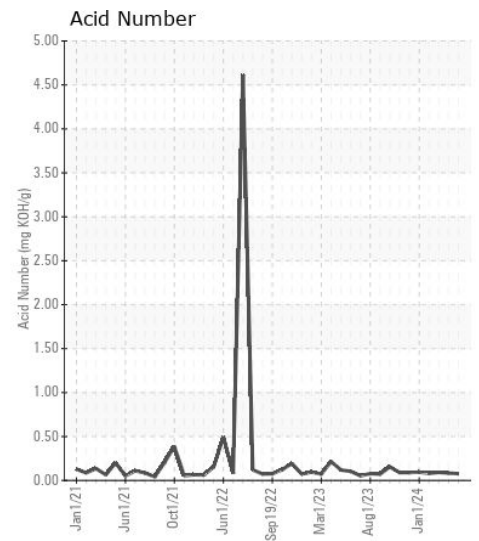
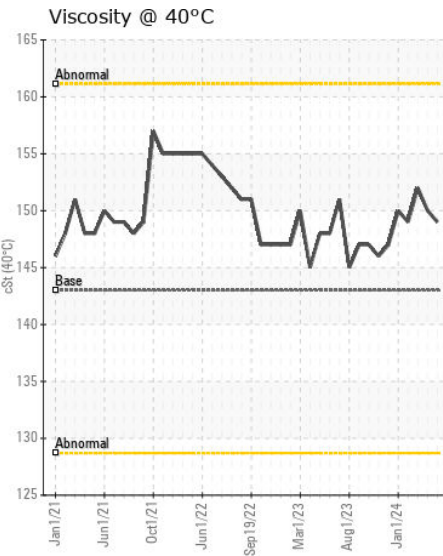
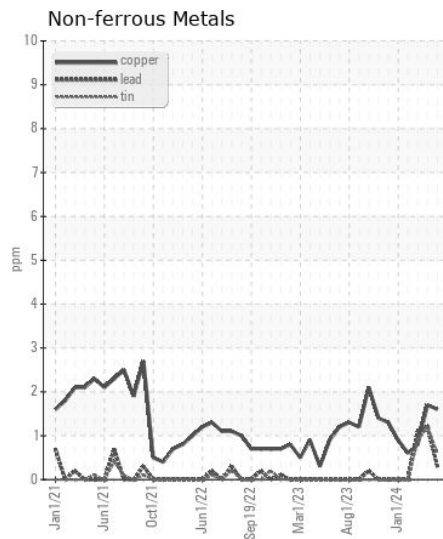
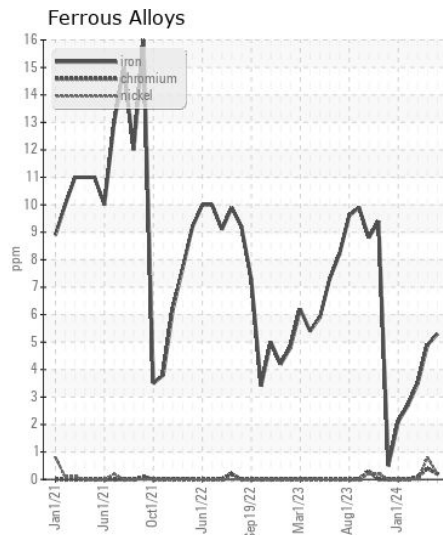
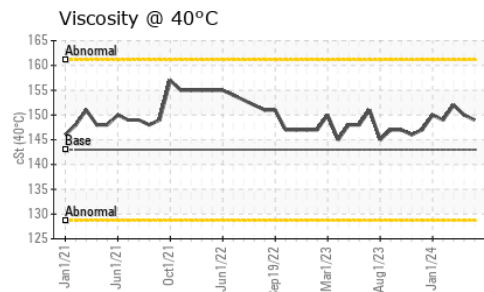
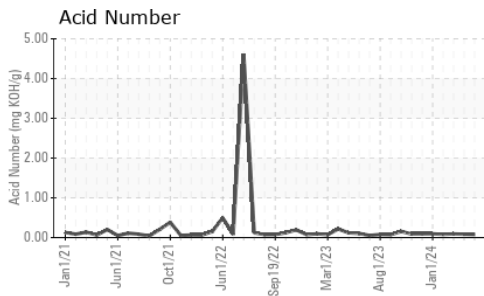
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	3
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

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	2
Boron	ppm	ASTM D5185m	0	<b>4</b>	6	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	3	3
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>11</b>	11	6
Calcium	ppm	ASTM D5185m	0	<b>144</b>	145	126
Phosphorus	ppm	ASTM D5185m	0	<b>13</b>	22	22
Zinc	ppm	ASTM D5185m	0	<b>13</b>	14	3
Sulfur	ppm	ASTM D5185m	4046	<b>863</b>	1161	984
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.077</b>	0.084	0.092
Visc @ 40°C	cSt	ASTM D445	143	<b>149</b>	150	152



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : MW0068220

**Lab Number** : 06177845

**Unique Number** : 11029171

**Test Package** : MAR 2

**Received** : 13 May 2024

**Tested** : 14 May 2024

**Diagnosed** : 14 May 2024 - Wes Davis

**INGRAM BARGE**

900 S 3RD ST

PADUCAH, KY

US 42003

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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)