



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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		MW0070716	MW0068212	MW0068220
Sample Date		Client Info		01 Jul 2024	01 Jun 2024	01 May 2024
Machine Age	hrs	Client Info		96857	96197	95454
Oil Age	hrs	Client Info		0	5039	4336
Filter Age	hrs	Client Info		0	823	120
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	8	8	5
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	2
Lead	ppm	ASTM D5185m	>100	0	3	<1
Copper	ppm	ASTM D5185m	>50	1	5	2
Tin	ppm	ASTM D5185m	>10	0	1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

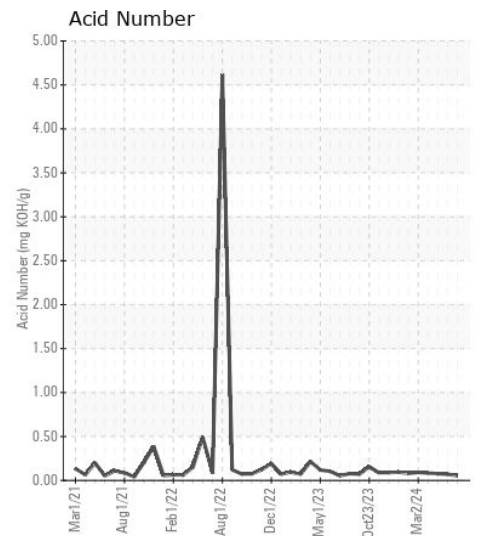
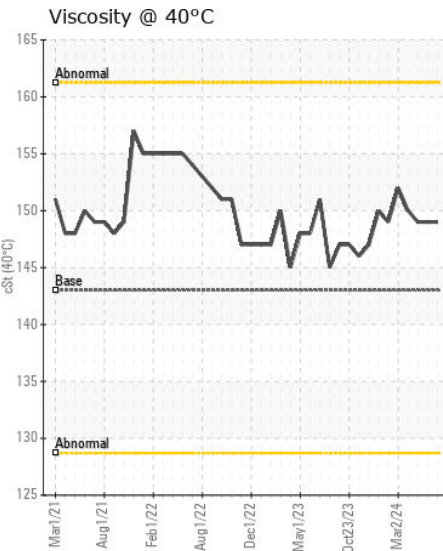
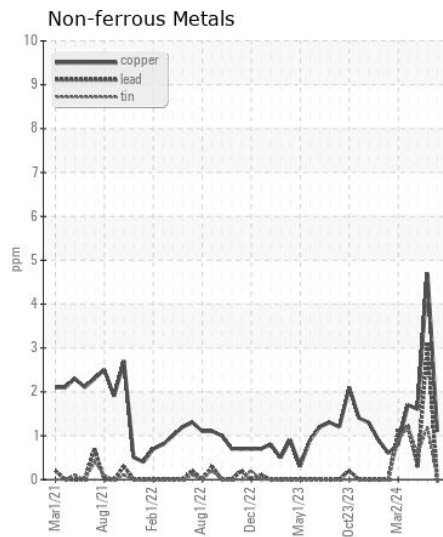
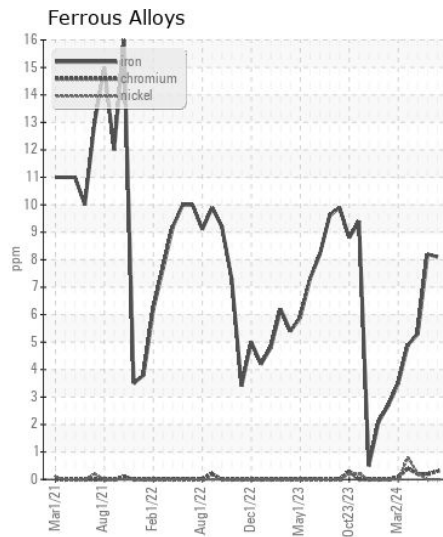
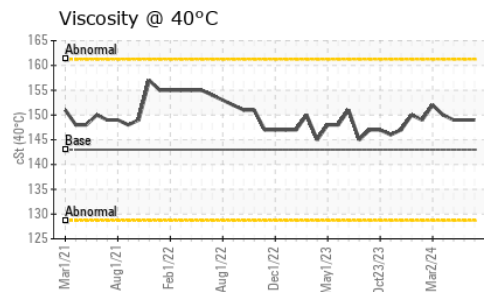
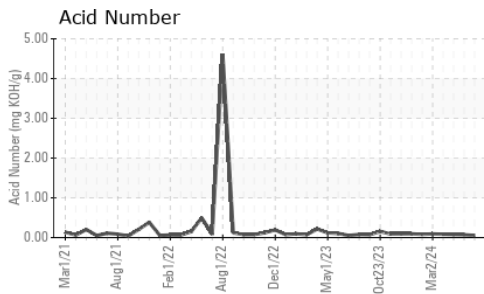
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	0	2	<1
Potassium	ppm	ASTM D5185m	>20	<1	5	2
Water		WC Method	>0.1	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	>0.1	NEG	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		0	2	0
Boron	ppm	ASTM D5185m	0	5	5	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	5	3
Manganese	ppm	ASTM D5185m		0	2	0
Magnesium	ppm	ASTM D5185m	0	11	12	11
Calcium	ppm	ASTM D5185m	0	119	156	144
Phosphorus	ppm	ASTM D5185m	0	16	12	13
Zinc	ppm	ASTM D5185m	0	13	12	13
Sulfur	ppm	ASTM D5185m	4046	1031	1096	863
Acid Number (AN)	mg KOH/g	ASTM D8045		0.053	0.071	0.077
Visc @ 40°C	cSt	ASTM D445	143	149	149	149



Certificate L2367

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

Sample No. : MW0070716

Lab Number : 06227667

Unique Number : 11111160

Test Package : MAR 2

Received : 03 Jul 2024

Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Wes Davis

INGRAM BARGE

900 S 3RD ST

PADUCAH, KY

US 42003

Contact: MVJPA

mvjpa@ingrambarga.com

T:

F: (615)695-3697

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)