



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

Area

**DENNIS T DELANEY**

Machine Id

**[DENNIS T DELANEY] 006 536790-6**

Component

**Starboard Reduction Gear**

Fluid

**CHEVRON MEROPA 320 (215 GAL)**

**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**

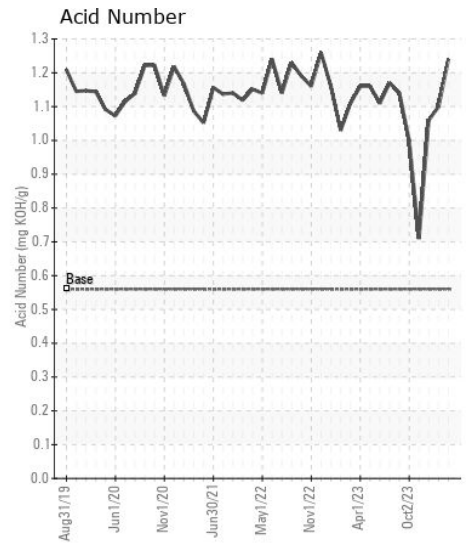
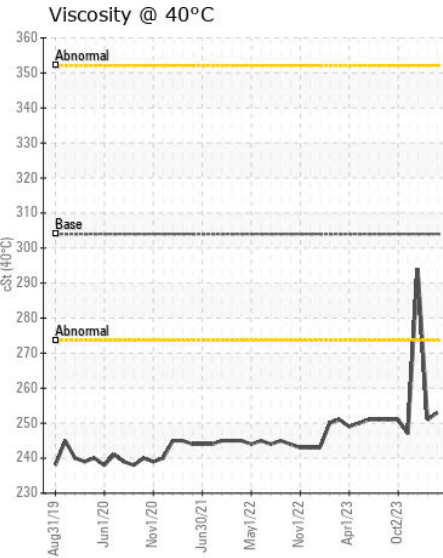
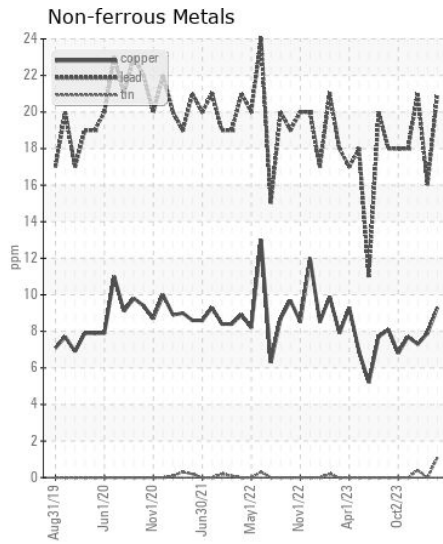
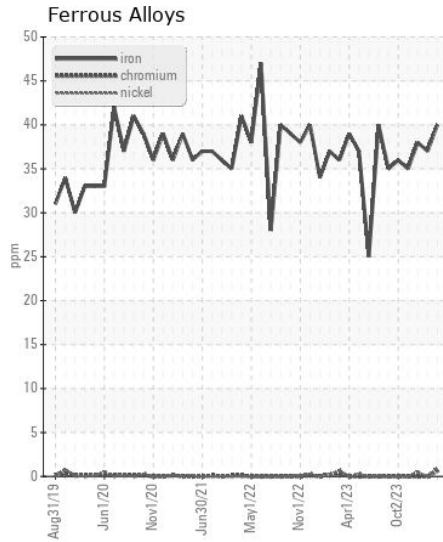
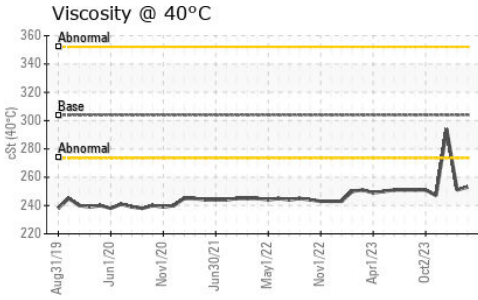
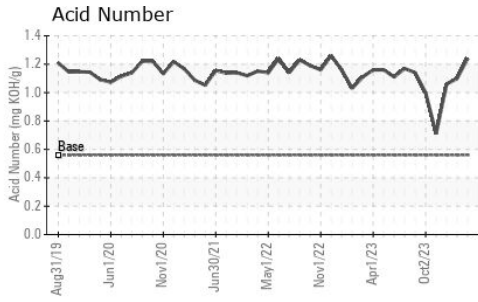
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0067900</b>	MW0058562	MW0061785
Sample Date		Client Info		<b>01 Apr 2024</b>	01 Feb 2024	02 Dec 2023
Machine Age	hrs	Client Info		<b>74743</b>	73353	72850
Oil Age	hrs	Client Info		<b>74743</b>	73353	72850
Filter Age	hrs	Client Info		<b>0</b>	0	72850
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	None	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>40</b>	37	38
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Lead	ppm	ASTM D5185m	>100	<b>21</b>	16	21
Copper	ppm	ASTM D5185m	>50	<b>9</b>	8	7
Tin	ppm	ASTM D5185m	>10	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	5
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>11</b>	12	10
Boron	ppm	ASTM D5185m	20	<b>5</b>	4	4
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	4
Calcium	ppm	ASTM D5185m	25	<b>125</b>	101	116
Phosphorus	ppm	ASTM D5185m	235	<b>244</b>	220	258
Zinc	ppm	ASTM D5185m		<b>14</b>	2	11
Sulfur	ppm	ASTM D5185m		<b>5989</b>	5246	6065
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>1.24</b>	1.10	1.06
Visc @ 40°C	cSt	ASTM D445	304	<b>253</b>	251	294



Certificate L2367

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

**Sample No.** : MW0067900

**Lab Number** : 06146678

**Unique Number** : 10976756

**Test Package** : MAR 2

**Received** : 11 Apr 2024

**Tested** : 12 Apr 2024

**Diagnosed** : 15 Apr 2024 - Sean Felton

**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)