



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

Area

**PB SHAH**

Machine Id

**[PB SHAH] 006 566553-6**

Component

**Starboard Reduction Gear**

Fluid

**CHEVRON MEROPA 320 (260 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**

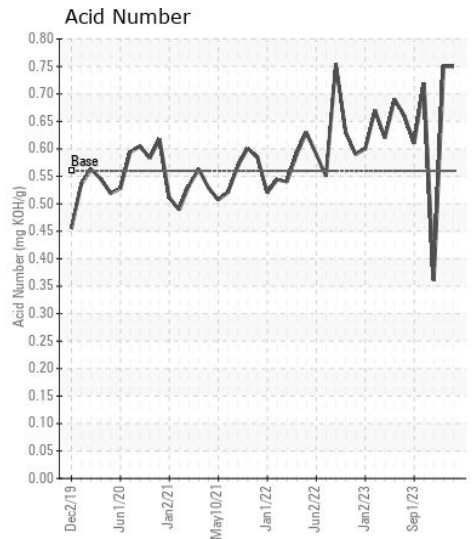
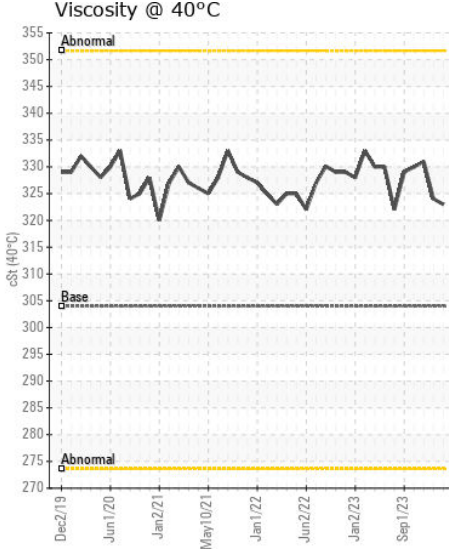
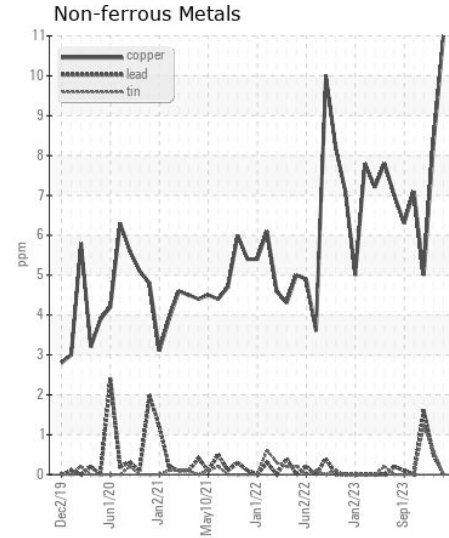
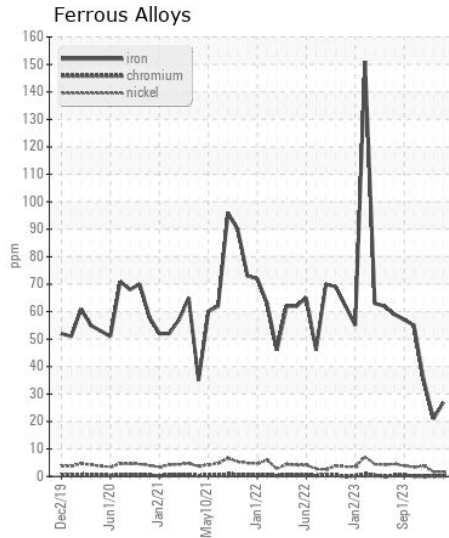
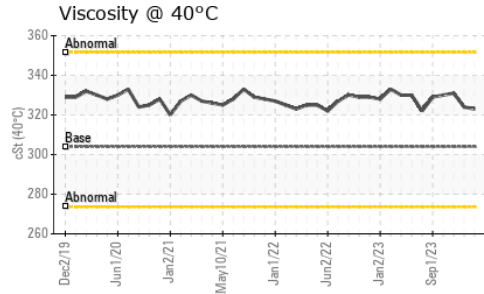
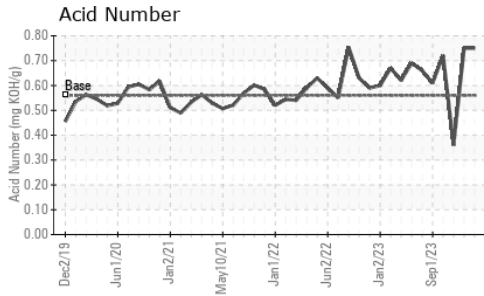
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0066119</b>	MW0065979	MW0060013
Sample Date		Client Info		<b>01 Jun 2024</b>	02 May 2024	11 Jan 2024
Machine Age	hrs	Client Info		<b>50846</b>	50294	47293
Oil Age	hrs	Client Info		<b>1358</b>	776	47293
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>27</b>	21	35
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	4
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	11
Lead	ppm	ASTM D5185m	>100	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m	>50	<b>11</b>	8	5
Tin	ppm	ASTM D5185m	>10	<b>0</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

Silicon	ppm	ASTM D5185m	>50	<b>2</b>	2	15
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	<1
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>	LIGHT	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>1</b>	1	1
Boron	ppm	ASTM D5185m	20	<b>14</b>	14	3
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>3</b>	1	2
Calcium	ppm	ASTM D5185m	25	<b>31</b>	26	47
Phosphorus	ppm	ASTM D5185m	235	<b>326</b>	349	205
Zinc	ppm	ASTM D5185m		<b>12</b>	6	17
Sulfur	ppm	ASTM D5185m		<b>6112</b>	7816	7122
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>0.75</b>	0.75	0.36
Visc @ 40°C	cSt	ASTM D445	304	<b>323</b>	324	331



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0066119  
**Lab Number** : 06210855  
**Unique Number** : 11083719  
**Test Package** : MAR 2  
**Received** : 14 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Wes Davis

**INGRAM BARGE**  
 900 S 3RD ST  
 PADUCAH, KY  
 US 42003

Contact: JUSTIN WHEELER  
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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)

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