



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

Area

**DENNIS BOTTORFF**

Machine Id

**[DENNIS BOTTORFF] 004 569953-4**

Component

**Port Reduction Gear**

Fluid

**CHEVRON MEROPA 320 (--- 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**

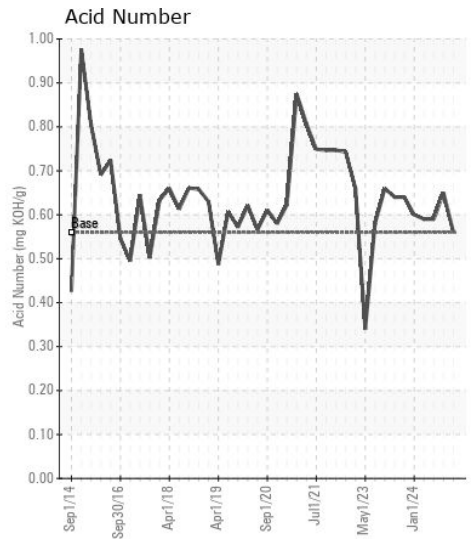
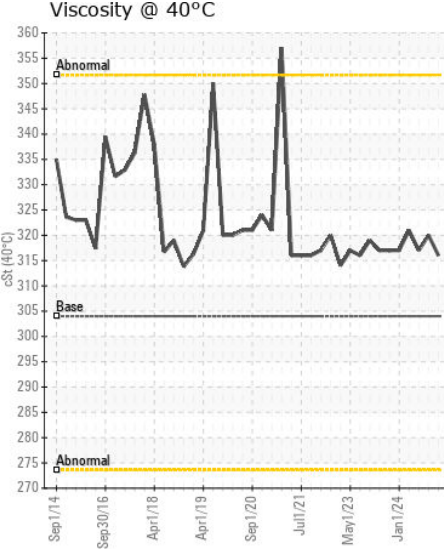
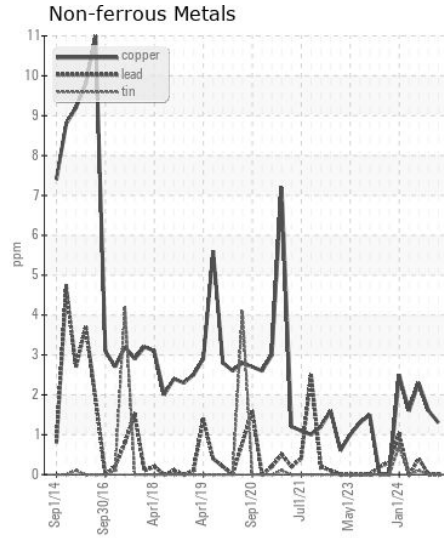
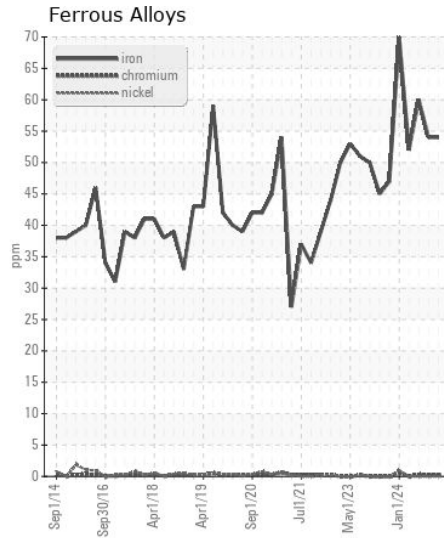
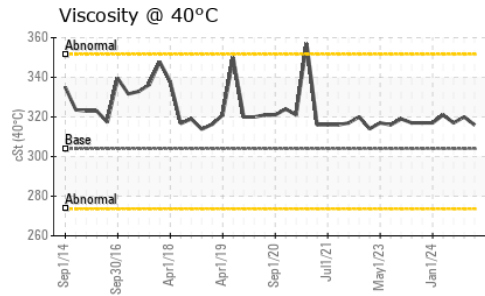
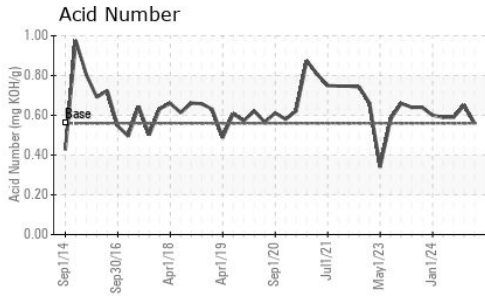
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0065681</b>	MW0065676	MW0064287
Sample Date		Client Info		<b>01 May 2024</b>	01 Apr 2024	01 Mar 2024
Machine Age	hrs	Client Info		<b>14061</b>	43033	13539
Oil Age	hrs	Client Info		<b>14061</b>	43033	13539
Filter Age	hrs	Client Info		<b>14061</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>54</b>	54	60
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	4	4
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>1</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
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>6</b>	2	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	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>2</b>	2	2
Boron	ppm	ASTM D5185m	20	<b>8</b>	11	10
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	3	3
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>22</b>	3	2
Calcium	ppm	ASTM D5185m	25	<b>61</b>	66	70
Phosphorus	ppm	ASTM D5185m	235	<b>284</b>	280	325
Zinc	ppm	ASTM D5185m		<b>32</b>	17	6
Sulfur	ppm	ASTM D5185m		<b>4816</b>	6011	5904
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>0.56</b>	0.65	0.59
Visc @ 40°C	cSt	ASTM D445	304	<b>316</b>	320	317



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0065681  
**Lab Number** : 06217405  
**Unique Number** : 11090269  
**Test Package** : MAR 2  
**Received** : 21 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 26 Jun 2024 - Jonathan Hester

**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)