



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

Area  
**Y.S. CHI**  
Machine Id  
**[Y.S. CHI] 004 503877-4**  
Component  
**Port Reduction Gear**  
Fluid  
**CHEVRON MEROPA 320 (170 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**

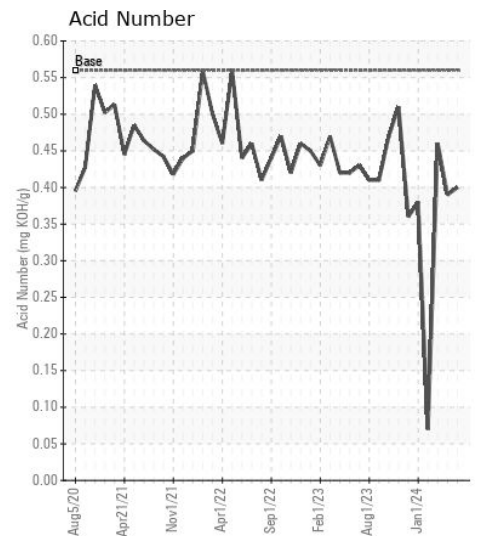
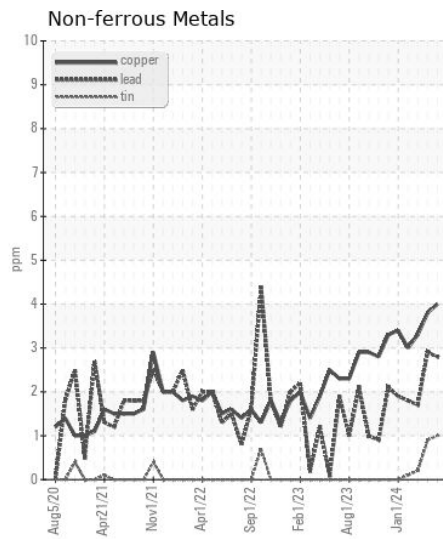
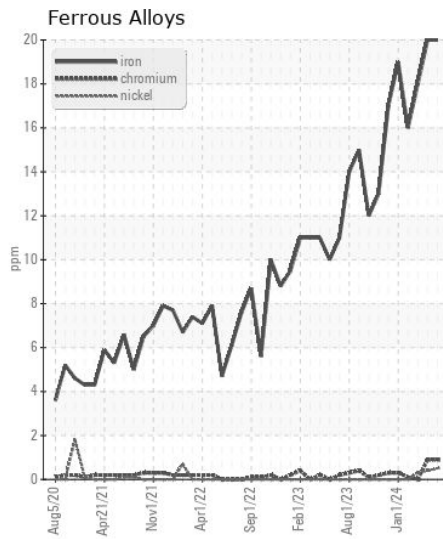
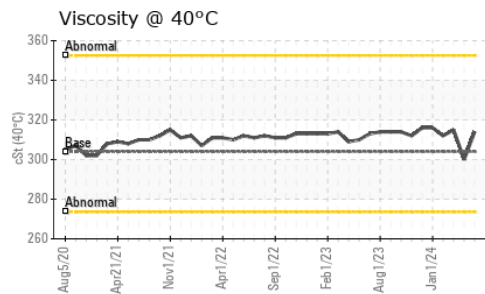
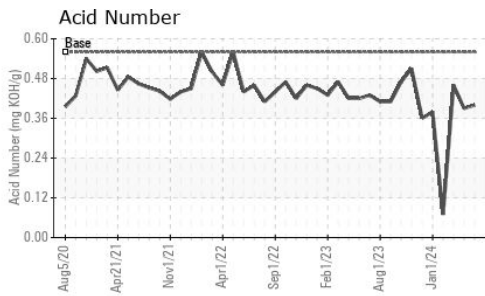
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW06186877</b>	MW0065962	MW0061210
Sample Date		Client Info		<b>01 May 2024</b>	01 Apr 2024	01 Mar 2024
Machine Age	hrs	Client Info		<b>32864</b>	32300	31573
Oil Age	hrs	Client Info		<b>0</b>	32300	31573
Filter Age	hrs	Client Info		<b>0</b>	0	600
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>20</b>	20	18
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	<1
Lead	ppm	ASTM D5185m	>100	<b>3</b>	3	2
Copper	ppm	ASTM D5185m	>50	<b>4</b>	4	3
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	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>2</b>	2	<1
Potassium	ppm	ASTM D5185m	>20	<b>3</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>	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>1</b>	1	3
Boron	ppm	ASTM D5185m	20	<b>4</b>	13	5
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	2	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>4</b>	6	4
Calcium	ppm	ASTM D5185m	25	<b>73</b>	121	68
Phosphorus	ppm	ASTM D5185m	235	<b>264</b>	271	257
Zinc	ppm	ASTM D5185m		<b>10</b>	26	4
Sulfur	ppm	ASTM D5185m		<b>6009</b>	5911	5831
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>0.40</b>	0.39	0.46
Visc @ 40°C	cSt	ASTM D445	304	<b>314</b>	300	315



Certificate L2367

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

**Sample No.** : MW06186877

**Lab Number** : 06186877

**Unique Number** : 11043629

**Test Package** : MAR 2

**Received** : 21 May 2024

**Tested** : 23 May 2024

**Diagnosed** : 23 May 2024 - Wes Davis

**INGRAM BARGE**

900 S 3RD ST

PADUCAH, KY

US 42003

Contact: ANTHONY VAN CURA

anthony.vancura@ingrambarga.com

T: (270)415-4467

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)