



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

Area  
**ROBIN B INGRAM**  
Machine Id  
[ROBIN B INGRAM] 004 617985-4  
Component  
Port Reduction Gear  
Fluid  
CHEVRON MEROPA 320 (--- 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		<b>MW06159841</b>	MW0053727	MW06055492
Sample Date		Client Info		<b>29 Feb 2024</b>	01 Feb 2024	01 Dec 2023
Machine Age	hrs	Client Info		<b>63946</b>	63399	62556
Oil Age	hrs	Client Info		<b>0</b>	63399	22500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>68</b>	29	36
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	0	0
Titanium	ppm	ASTM D5185m		<b>2</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>6</b>	3	5
Lead	ppm	ASTM D5185m	>100	<b>2</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>6</b>	3	4
Tin	ppm	ASTM D5185m	>10	<b>2</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

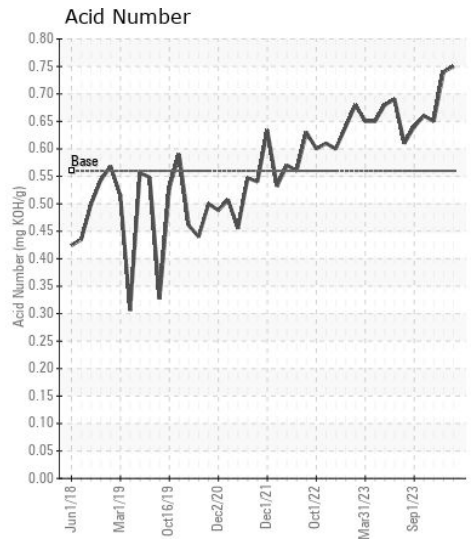
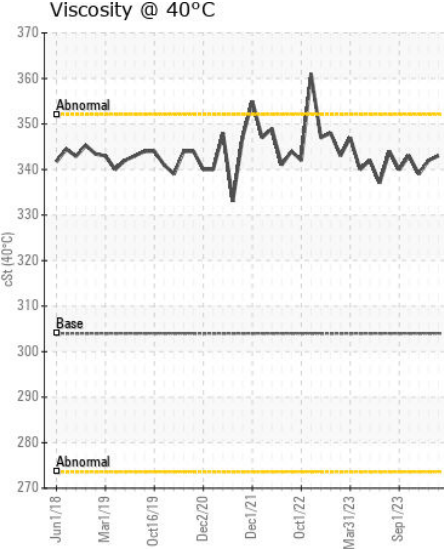
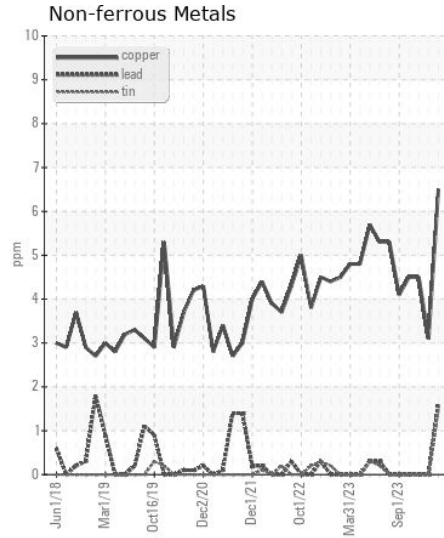
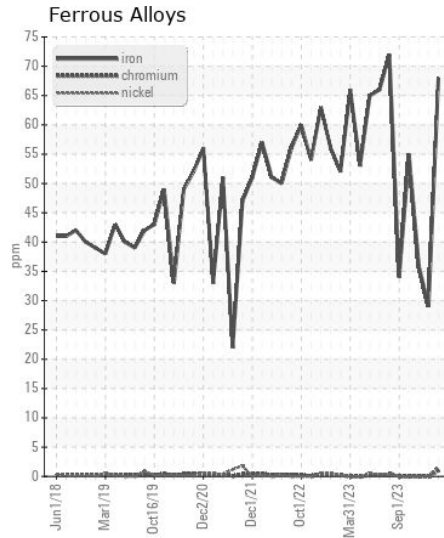
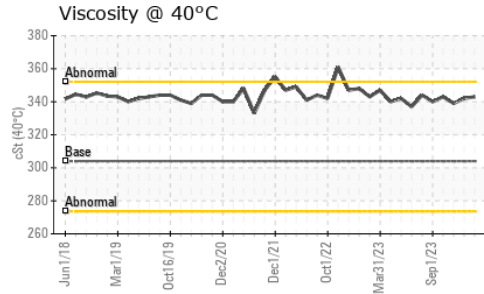
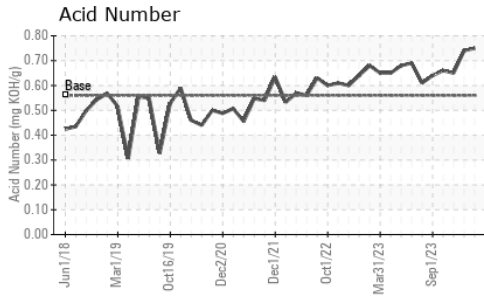
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>6</b>	1	3
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	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

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>4</b>	4	6
Boron	ppm	ASTM D5185m	20	<b>6</b>	<1	0
Barium	ppm	ASTM D5185m		<b>16</b>	13	11
Molybdenum	ppm	ASTM D5185m	0	<b>10</b>	3	3
Manganese	ppm	ASTM D5185m		<b>2</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>13</b>	<1	0
Calcium	ppm	ASTM D5185m	25	<b>133</b>	72	87
Phosphorus	ppm	ASTM D5185m	235	<b>255</b>	208	218
Zinc	ppm	ASTM D5185m		<b>19</b>	0	4
Sulfur	ppm	ASTM D5185m		<b>7152</b>	7710	6225
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	<b>0.75</b>	0.74	0.65
Visc @ 40°C	cSt	ASTM D445	304	<b>343</b>	342	339



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW06159841  
**Lab Number** : 06159841  
**Unique Number** : 10995264  
**Test Package** : MAR 2  
**Received** : 24 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Wes Davis

**INGRAM BARGE**  
 900 S 3RD ST  
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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)