



# OIL ANALYSIS REPORT

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

Machine Id  
**C-6**  
 Component  
**Splitter Box**  
 Fluid  
**CHEVRON MULTIGEAR EP5 80W90 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0948396</b>	WC0849469	WC0809728
Sample Date		Client Info		<b>02 Jul 2024</b>	01 Sep 2023	04 May 2023
Machine Age	hrs	Client Info		<b>24444</b>	23102	22240
Oil Age	hrs	Client Info		<b>1342</b>	1807	22240
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>None</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>325	<b>24</b>	34	34
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>5	<b>2</b>	5	7
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>30	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
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

## CONTAMINATION

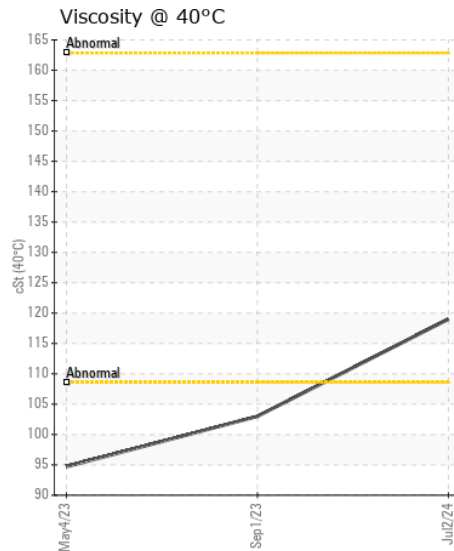
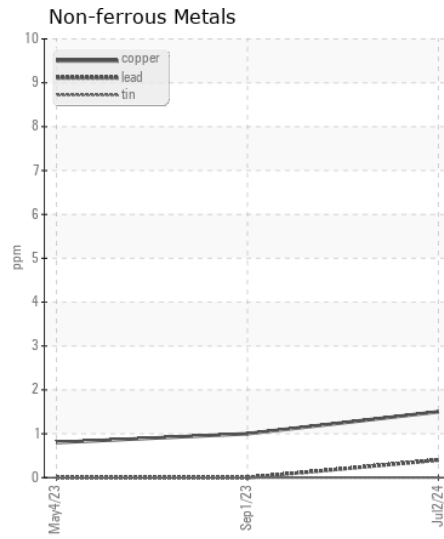
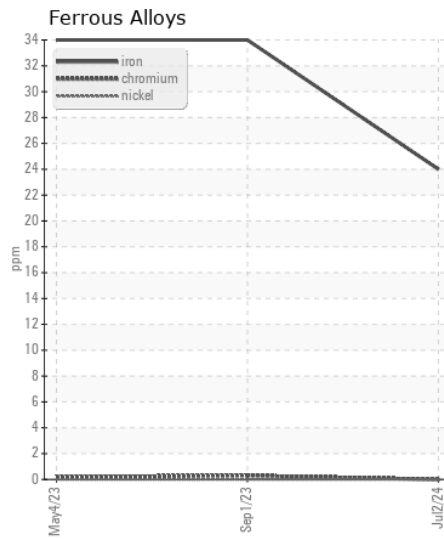
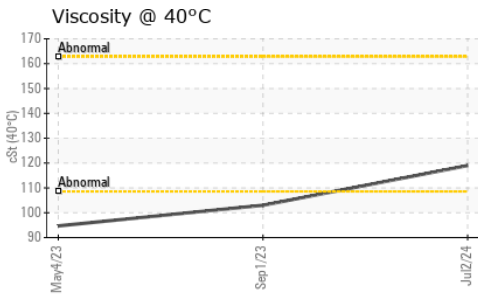
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>9</b>	9	4
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	7
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>13</b>	23	30
Boron	ppm	ASTM D5185m		<b>20</b>	126	187
Barium	ppm	ASTM D5185m		<b>5</b>	35	41
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>4</b>	3	5
Calcium	ppm	ASTM D5185m		<b>36</b>	47	54
Phosphorus	ppm	ASTM D5185m		<b>842</b>	866	1158
Zinc	ppm	ASTM D5185m		<b>70</b>	54	34
Sulfur	ppm	ASTM D5185m		<b>23034</b>	21276	25056
Visc @ 40°C	cSt	ASTM D445		<b>119</b>	103	94.7



Certificate L2367

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

**Sample No.** : WC0948396

**Lab Number** : 06230567

**Unique Number** : 11114060

**Test Package** : CONST

**Received** : 08 Jul 2024

**Tested** : 10 Jul 2024

**Diagnosed** : 10 Jul 2024 - Sean Felton

**FRANKLIN IRON & METAL CORP**

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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)