



# OIL ANALYSIS REPORT

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

Machine Id  
**30214**  
 Component  
**Right Final Drive**  
 Fluid  
**CHEVRON DELO GEAR ESI OIL 80W90 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0905202</b>	WC0857112	WC0733821
Sample Date		Client Info		<b>06 May 2024</b>	14 Dec 2023	06 Dec 2022
Machine Age	hrs	Client Info		<b>3561</b>	3068	2276
Oil Age	hrs	Client Info		<b>1500</b>	500	0
Filter Age	hrs	Client Info		<b>1500</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>296</b>	▲ 1014	588
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	▲ 18	7
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	13	3
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>4</b>	3	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

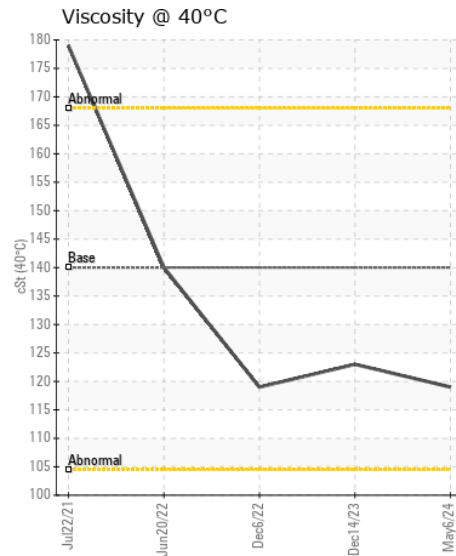
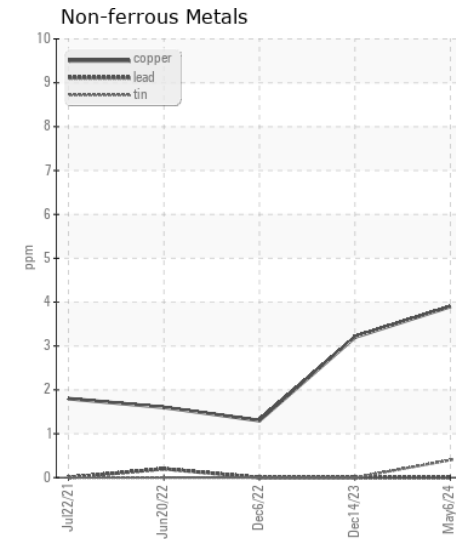
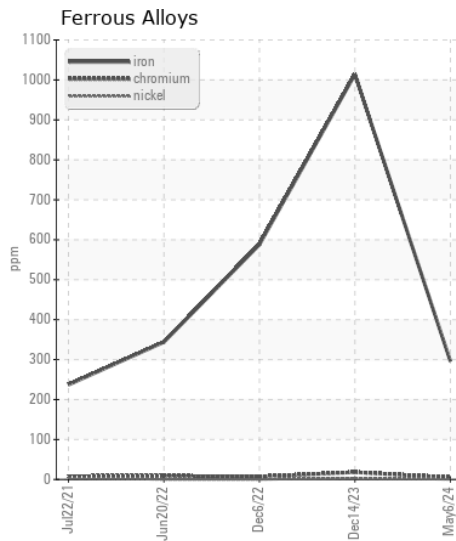
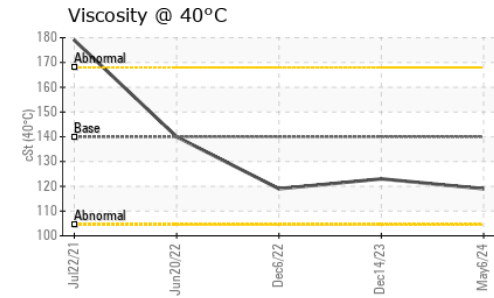
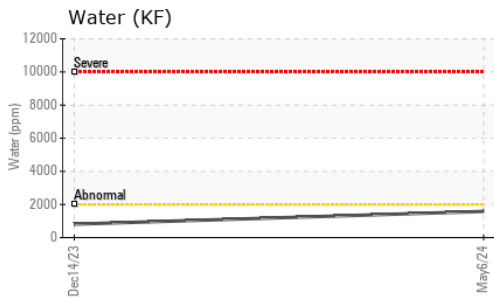
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>14</b>	49	12
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Water	%	ASTM D6304	>0.2	<b>0.158</b>	0.081	---
ppm Water	ppm	ASTM D6304	>2000	<b>1580</b>	810	---
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>0.2%</b>	0.2%	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	3	0
Boron	ppm	ASTM D5185m	15	<b>124</b>	149	60
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>9</b>	3	7
Manganese	ppm	ASTM D5185m		<b>5</b>	14	7
Magnesium	ppm	ASTM D5185m	0	<b>15</b>	10	21
Calcium	ppm	ASTM D5185m	5	<b>64</b>	37	93
Phosphorus	ppm	ASTM D5185m	600	<b>2327</b>	1368	2127
Zinc	ppm	ASTM D5185m	0	<b>64</b>	97	136
Sulfur	ppm	ASTM D5185m	22000	<b>21647</b>	18969	20105
Visc @ 40°C	cSt	ASTM D445	140	<b>119</b>	123	119



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0905202 **Received** : 13 May 2024  
**Lab Number** : 06177543 **Tested** : 15 May 2024  
**Unique Number** : 11023596 **Diagnosed** : 15 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: KF )

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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