



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**COOLANT REPORT**

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**FORD MOTOR COMPANY [301817]**

Machine Id  
**528100577**

Component  
**Coolant**

Fluid  
**HYBRID (HOAT) COOLANT (--- GAL)**

**RECOMMENDATION**

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021505</b>	WA0019696	WA0018013
Sample Date		Client Info		<b>31 May 2024</b>	31 May 2023	05 May 2022
Machine Age	hrs	Client Info		<b>837</b>	6	783
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**CORROSION**

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	3	3
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	2
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	1	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	1

**CONTAMINANTS**

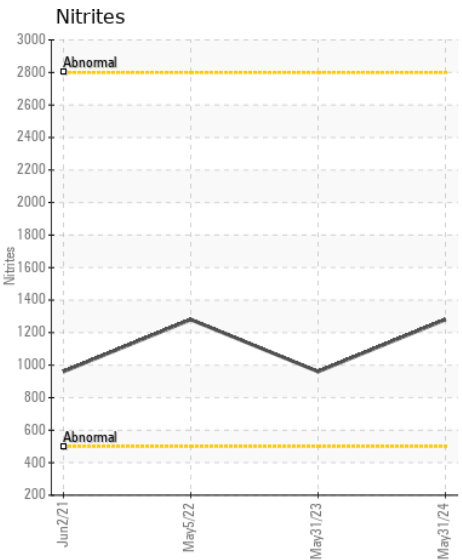
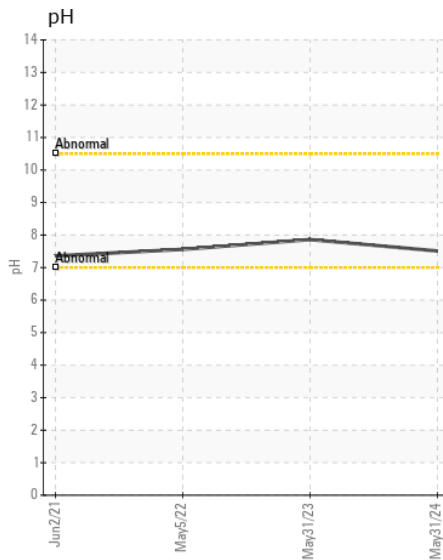
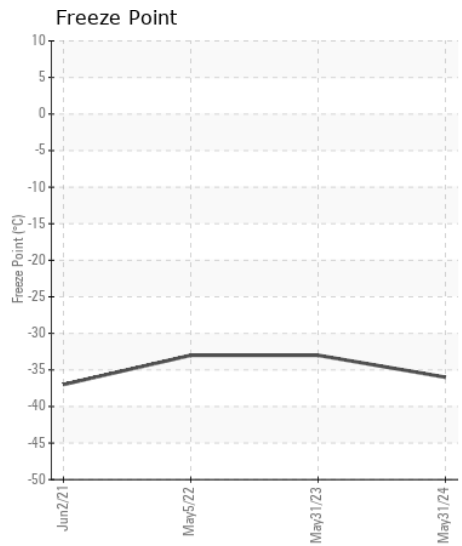
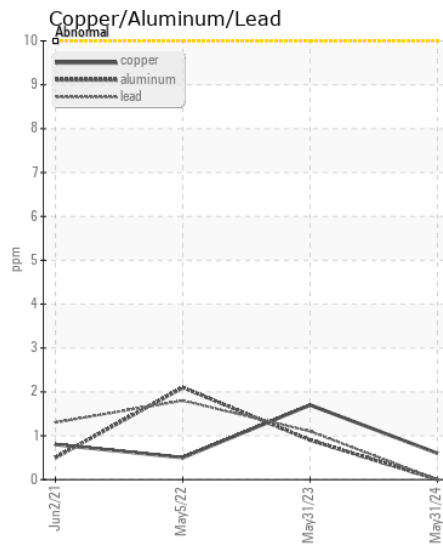
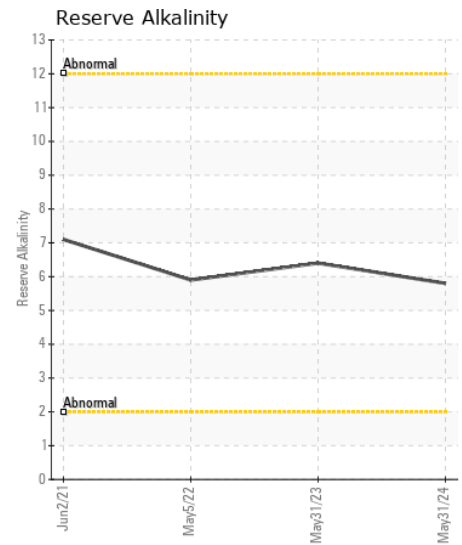
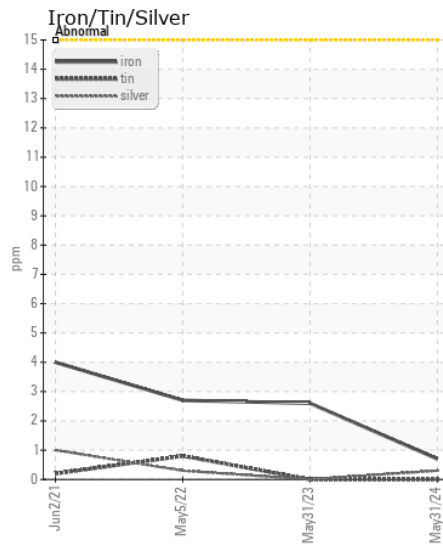
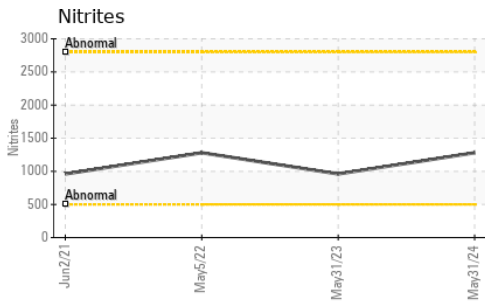
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>9</b>	7	6
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	2
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

**COOLANT CONDITION**

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.067</b>	1.067	1.066
pH	Scale 0-14	ASTM D1287*		<b>7.51</b>	7.86	7.56
Nitrites	ppm	Alcan Test Kit*		<b>1280</b>	960	1280
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>5.8</b>	6.4	5.9
Percentage Glycol	%	ASTM D3321*		<b>49.3</b>	49.5	49.1
Freezing Point	°C	ASTM D3321*		<b>-36</b>	-33	-33
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>54</b>	60	64
Phosphorus	ppm	ASTM D5185(m)		<b>23</b>	39	17
Boron	ppm	ASTM D5185(m)		<b>947</b>	883	967
Molybdenum	ppm	ASTM D5185(m)		<b>2</b>	9	3
Sodium	ppm	ASTM D5185(m)		<b>4476</b>	3023	2220
Potassium	ppm	ASTM D5185(m)		<b>387</b>	464	415
Coolant Color		Visual*		<b>Green</b>	Grn/Yellow	Green



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021505 **Received** : 03 Jul 2024  
**Lab Number** : 02645326 **Tested** : 04 Jul 2024  
**Unique Number** : 5802865 **Diagnosed** : 04 Jul 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.