



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**T154-7702-230718-2**

Component  
**Hydraulic System**

Fluid  
**VALVOLINE I205 TRACTION OIL (50 GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0772824</b>	---	---
Sample Date	Client Info		<b>08 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >20	<b>21</b>	---	---
Chromium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >20	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >20	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >20	<b>3</b>	---	---
Copper	ppm	ASTM D5185(m) >20	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 190	<b>187</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>18</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>1</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>2</b>	---	---
Calcium	ppm	ASTM D5185(m) 75	<b>144</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 450	<b>539</b>	---	---
Zinc	ppm	ASTM D5185(m) 10	<b>33</b>	---	---
Sulfur	ppm	ASTM D5185(m) 1250	<b>1349</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

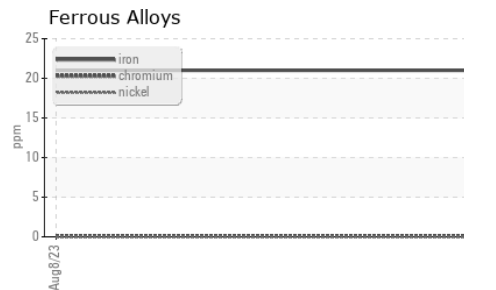
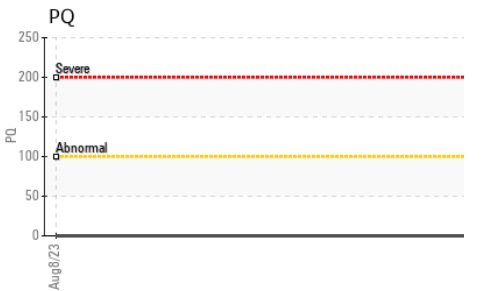
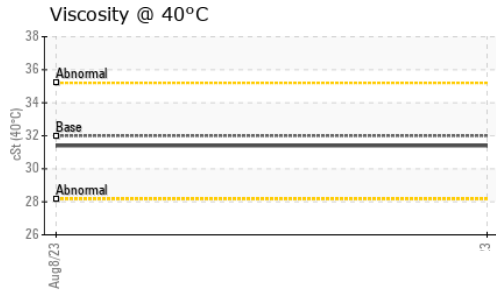
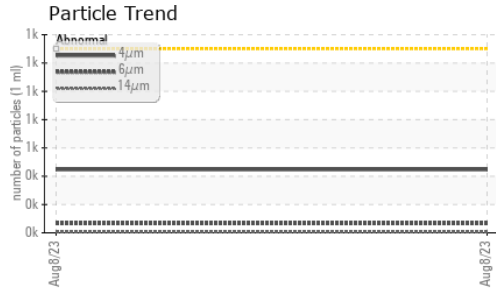
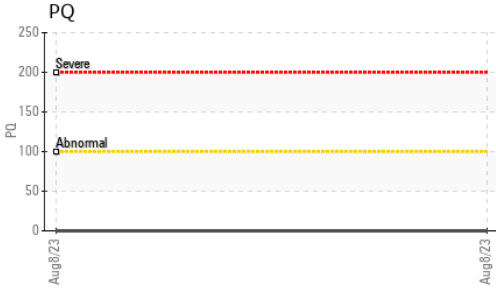
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	<b>227</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>29</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>3</b>	---	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	<b>447</b>	---	---
Particles >6µm	ASTM D7647	>320	<b>66</b>	---	---
Particles >14µm	ASTM D7647	>80	<b>5</b>	---	---
Particles >21µm	ASTM D7647	>20	<b>1</b>	---	---
Particles >38µm	ASTM D7647	>4	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>17/15/13	<b>16/13/10</b>	---	---



# OIL ANALYSIS REPORT



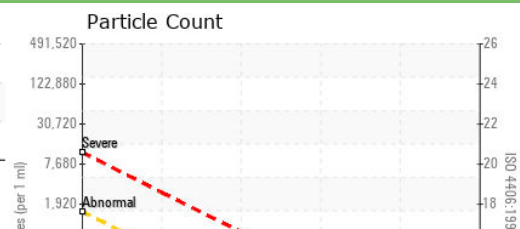
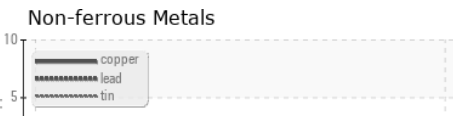
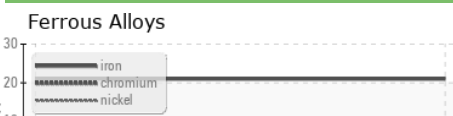
FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	1.3	<b>1.45</b>	---	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>31.4</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0772824  
**Lab Number** : 02575007  
**Unique Number** : 5620058  
**Test Package** : IND 2 ( Additional Tests: PQ, TAN Man )

**Received** : 09 Aug 2023  
**Diagnosed** : 10 Aug 2023  
**Diagnostician** : Kevin Marson

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.

**CVT Corp.**  
 2101 Nobel, Suite N  
 Sainte-Julie, QC  
 CA J3E 1Z8  
 Contact: JR Desmeules  
 jrdesmeules@cvtcorp.com  
 T: (819)383-1347  
 F: (450)922-0335