



# OIL ANALYSIS REPORT

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

Area

**[6142299]**

Machine Id

**5001-PR31-HPP102 ROOM #2272**

Component

**Hydraulic System**

Fluid

**AW HYDRAULIC OIL ISO 68 (--- 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. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CB0031537</b>	CB0026718	---
Sample Date		Client Info		<b>18 Sep 2023</b>	12 Jul 2017	---
Machine Age	yrs	Client Info		<b>0</b>	0	---
Oil Age	yrs	Client Info		<b>0</b>	1	---
Filter Age	yrs	Client Info		<b>0</b>	1	---
Oil Changed		Client Info		<b>N/A</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>20	<b>8</b>	6	---
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

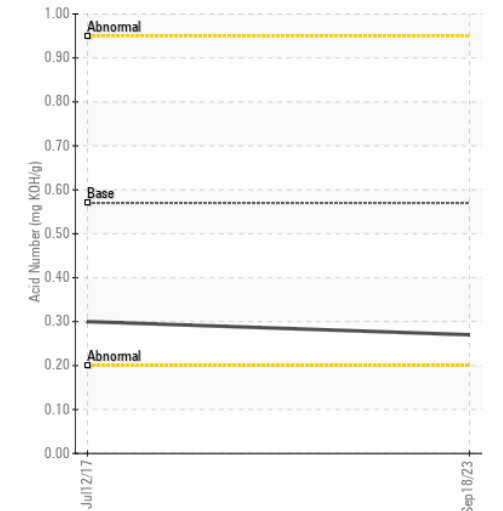
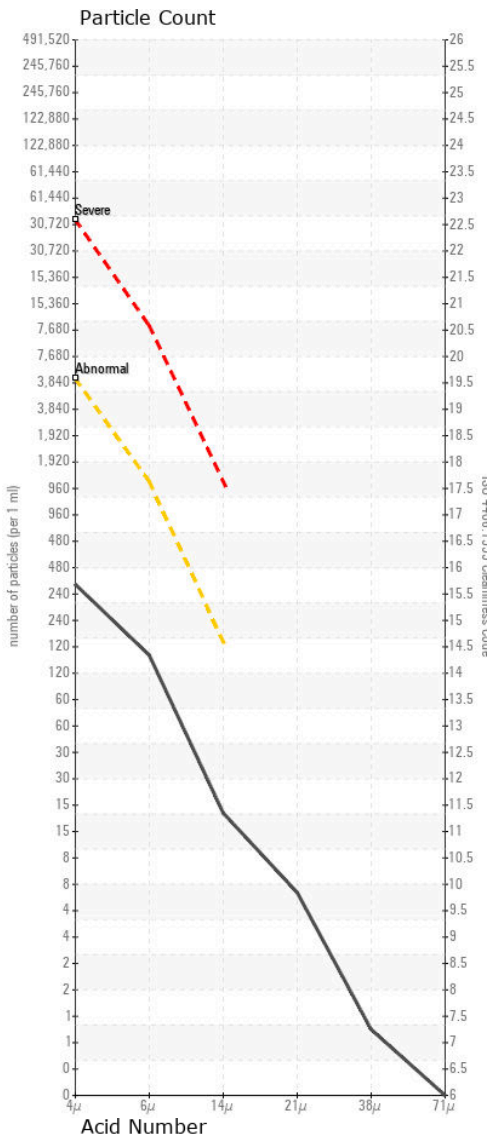
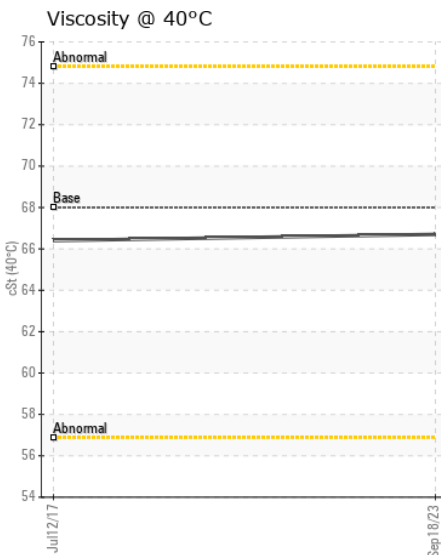
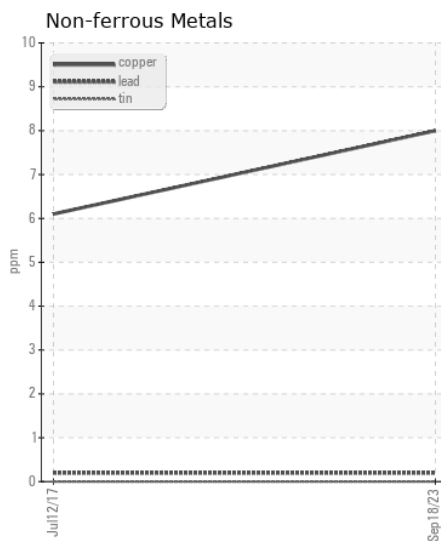
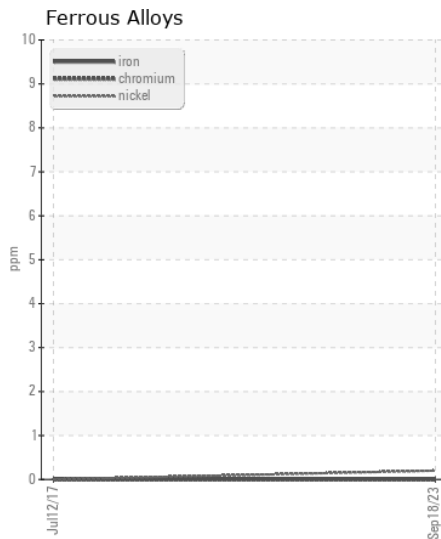
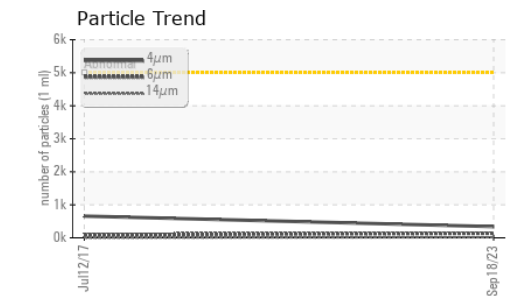
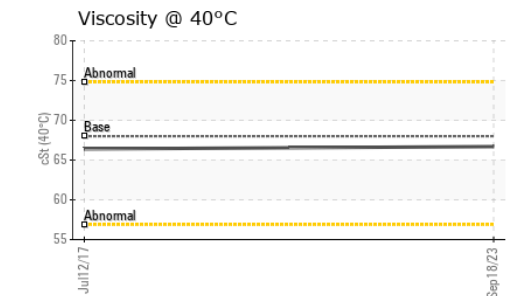
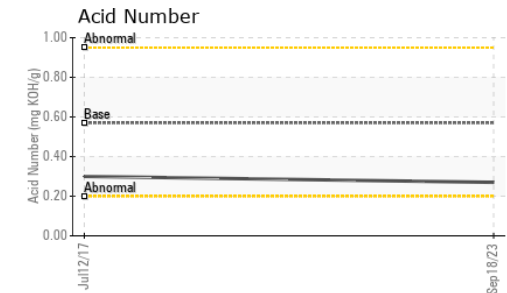
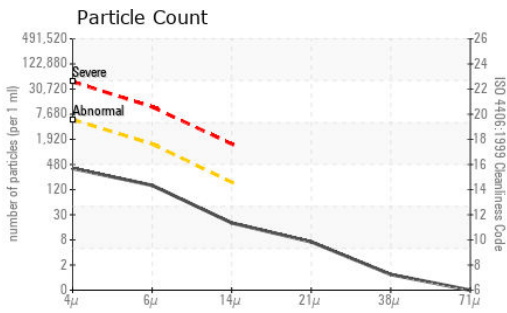
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Water		WC Method	>0.05	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>339</b>	659	---
Particles >6µm		ASTM D7647	>1300	<b>134</b>	98	---
Particles >14µm		ASTM D7647	>160	<b>17</b>	4	---
Particles >21µm		ASTM D7647	>40	<b>6</b>	0	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>16/14/11</b>	17/14/9	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.05	<b>NEG</b>	NEG	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	25	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m)	200	<b>125</b>	146	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>256</b>	247	---
Zinc	ppm	ASTM D5185(m)	370	<b>328</b>	336	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>870</b>	601	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.57	<b>0.27</b>	0.300	---
Visc @ 40°C	cSt	ASTM D7279(m)	68	<b>66.7</b>	66.4	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CB0031537  
**Lab Number** : 02594217  
**Unique Number** : 5671296  
**Test Package** : IND 2  
**Received** : 06 Nov 2023  
**Tested** : 07 Nov 2023  
**Diagnosed** : 07 Nov 2023 - Wes Davis

**Synovos/Apotex**  
 50 Steinway Blvd.  
 Etobicoke, ON  
 CA M9W 6Y3  
 Contact: Emmanuel Okelue  
 eokelue@apotex.com

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.