



# OIL ANALYSIS REPORT

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

Machine Id  
**SSI PR6600**  
Component  
**Hydraulic System**  
Fluid  
**VISHZ-100-68 (--- GAL)**

## RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>Y2K0001499</b>	Y2K0001491	Y2K0001487
Sample Date		Client Info		<b>27 Jan 2024</b>	26 Dec 2023	11 Nov 2023
Machine Age	hrs	Client Info		<b>26398</b>	26080	25666
Oil Age	hrs	Client Info		<b>318</b>	2206	1792
Filter Age	hrs	Client Info		<b>318</b>	414	526
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	9	1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	0	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

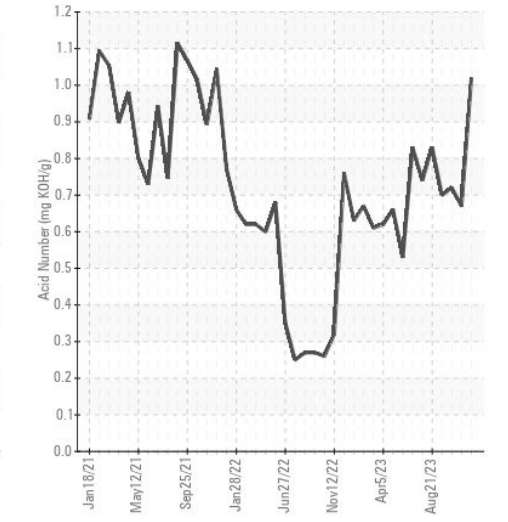
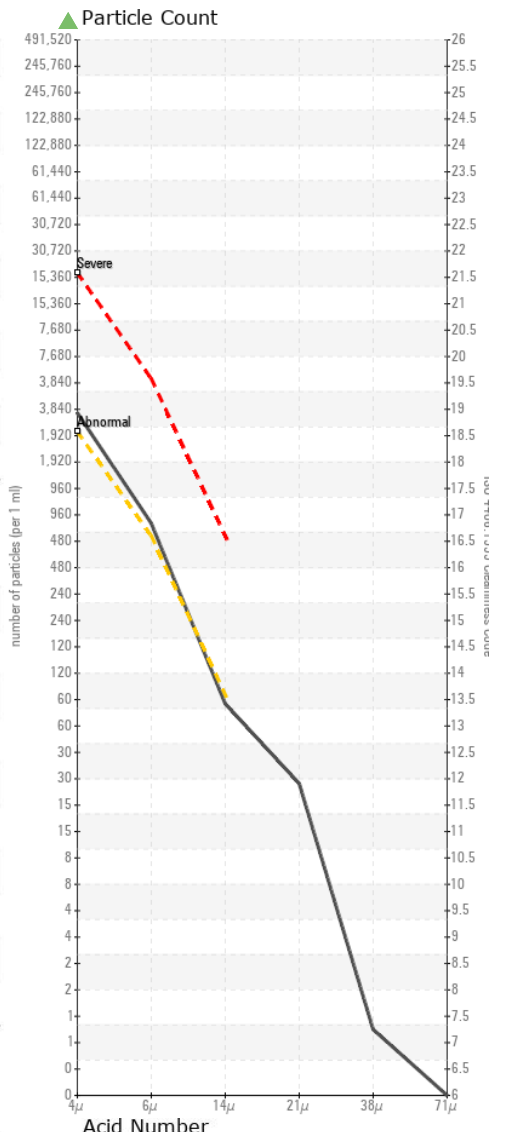
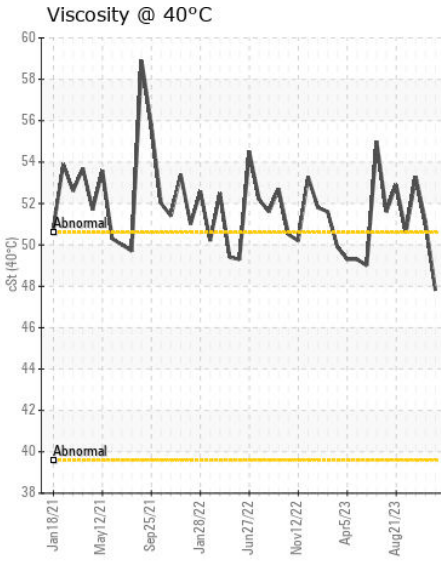
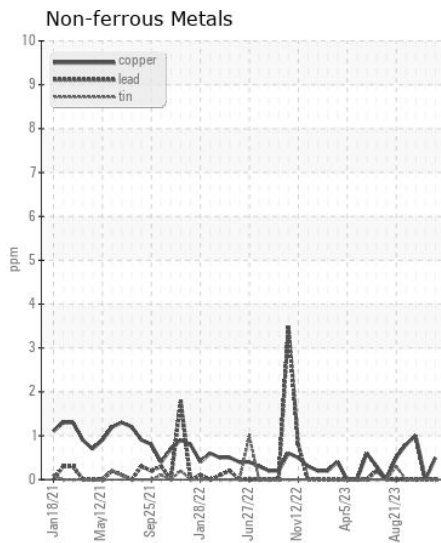
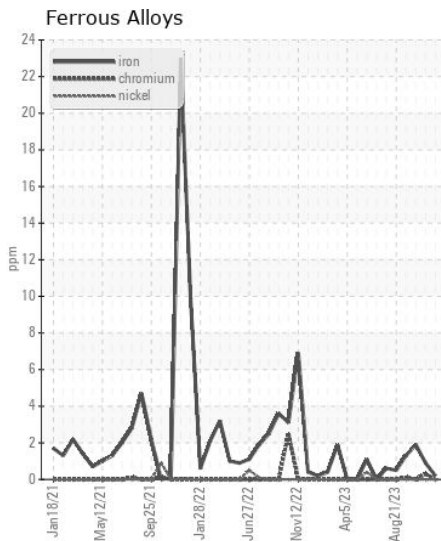
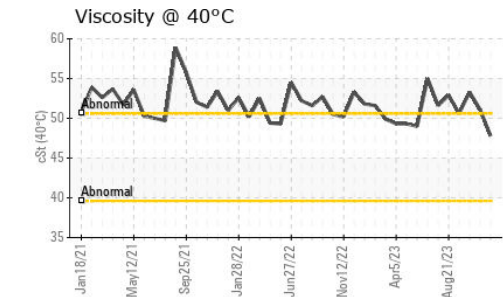
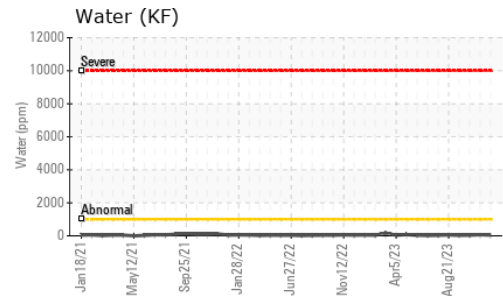
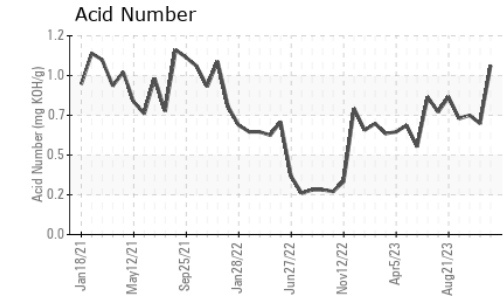
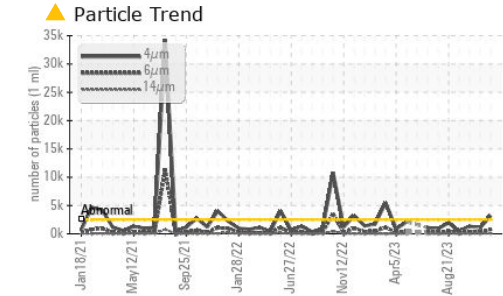
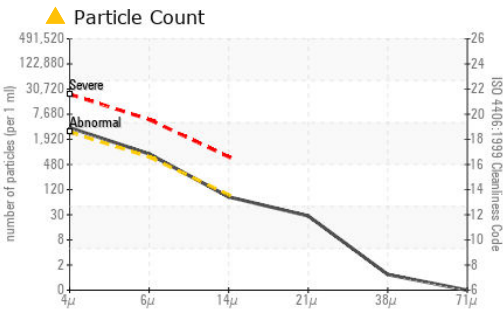
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	7	<1
Water	%	ASTM D6304	>0.1	<b>0.003</b>	0.006	0.003
ppm Water	ppm	ASTM D6304	>1000	<b>40</b>	67	34.5
Particles >4µm		ASTM D7647	>2500	<b>▲ 3198</b>	1063	1336
Particles >6µm		ASTM D7647	>640	<b>▲ 753</b>	334	371
Particles >14µm		ASTM D7647	>80	<b>71</b>	43	45
Particles >21µm		ASTM D7647	>20	<b>25</b>	15	20
Particles >38µm		ASTM D7647	>4	<b>1</b>	1	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	1	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>▲ 19/17/13</b>	17/16/13	18/16/13
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	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	29	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	6
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185m		<b>20</b>	3	12
Phosphorus	ppm	ASTM D5185m		<b>768</b>	34	801
Zinc	ppm	ASTM D5185m		<b>1043</b>	0	938
Sulfur	ppm	ASTM D5185m		<b>2700</b>	0	2998
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.02</b>	0.67	0.72
Visc @ 40°C	cSt	ASTM D445		<b>47.8</b>	51.1	53.3



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : Y2K0001499 **Received** : 09 Feb 2024  
**Lab Number** : 06084807 **Tested** : 12 Feb 2024  
**Unique Number** : 10872252 **Diagnosed** : 12 Feb 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KF )

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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)