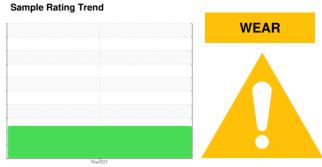


# **OIL ANALYSIS REPORT**

**HYDRO** PU-50 PU-50

**Hydraulic System** 

SHELL TELLUS S2 V 68 (--- GAL)



### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

The iron level is abnormal. All other component wear rates are normal.

#### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944311		
Sample Date		Client Info		31 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>△</b> 30		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	10	1		
Calcium	ppm	ASTM D5185m	48	57		
Phosphorus	ppm	ASTM D5185m	377	263		
Zinc	ppm	ASTM D5185m	426	316		
Sulfur	ppm	ASTM D5185m	2300	831		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>1539</b>		
Particles >6µm		ASTM D7647	>1300	<u>4171</u>		
Particles >14μm		ASTM D7647	>160	58		
Particles >21µm		ASTM D7647	>40	16		
Particles >38µm		ASTM D7647	>10	2		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>23/19/13</b>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

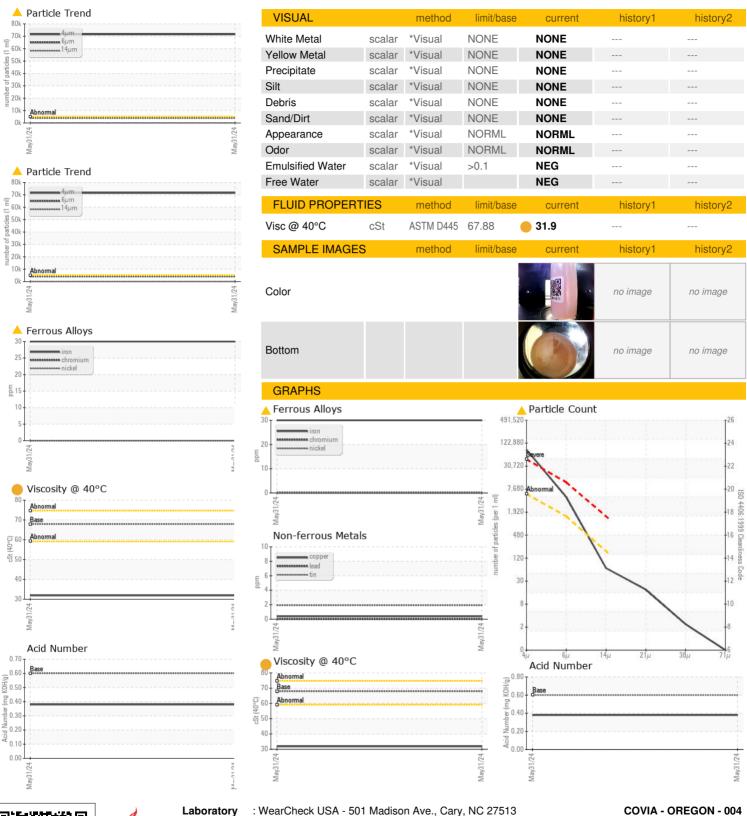
Acid Number (AN)

mg KOH/g ASTM D8045 .6

Contact/Location: Brian Bunnell - COVORE



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No. Lab Number : 06201998

: WC0944311 Unique Number : 11069459 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 07 Jun 2024 Diagnosed : 09 Jun 2024 - Don Baldridge

: 06 Jun 2024

To discuss this sample report, contact Customer Service at 1-800-237-1369.  $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. 1446 DEVILS BACKBONE ROAD OREGON, IL US 61061-0156

Contact: Brian Bunnell brian.bunnell@coviacorp.com T: (815)677-8700

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)