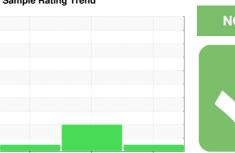


## **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# **GOODYEAR AKRON TEST HSU-3**

**Hydraulic System** 

PHILLIPS 66 Powerflow NZ AW46 (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

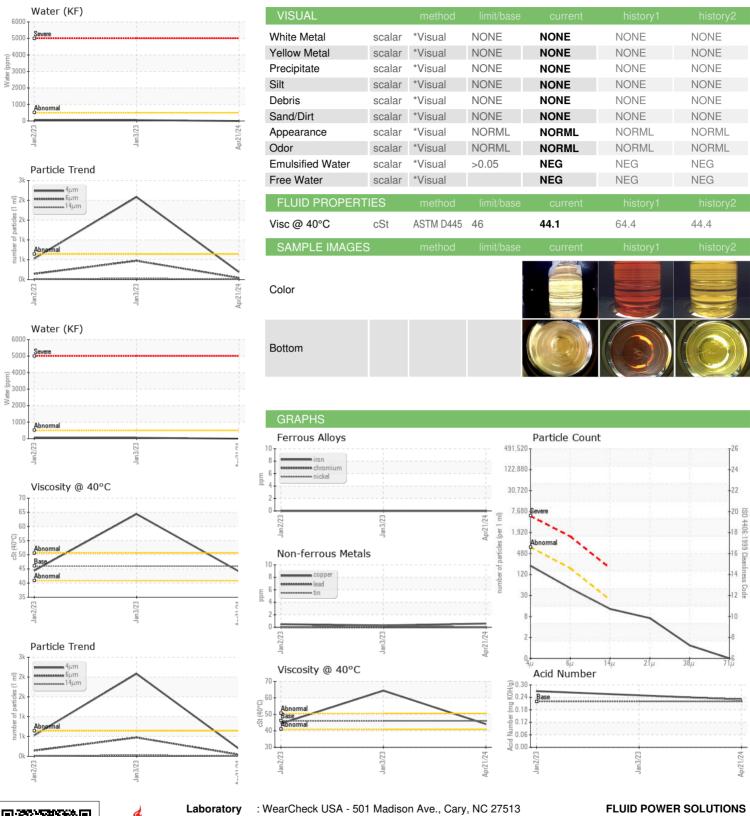
### **Fluid Condition**

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

)		Jan	2023	Jan 2023 Apr 20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46266	ST44226	ST44232
Sample Date		Client Info		21 Apr 2024	03 Jan 2023	02 Jan 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		47	28	43
Phosphorus	ppm	ASTM D5185m		295	253	289
Zinc	ppm	ASTM D5185m		410	282	356
Sulfur	ppm	ASTM D5185m		1000	1186	855
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	2	<1
Sodium	ppm	ASTM D5185m		0	3	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.00	0.005	0.005
ppm Water	ppm	ASTM D6304	>500	0	54.9	57.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	189	<u>^</u> 2084	529
Particles >6μm		ASTM D7647	>160	43	<b>▲</b> 473	144
Particles >14μm		ASTM D7647	>20	11	<u>^</u> 27	13
Particles >21μm		ASTM D7647	>4	6	<u>^</u> 5	3
Particles >38μm		ASTM D7647	>3	1	0	1
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/11	15/13/11	▲ 18/16/12	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.22	0.23	0.25	0.27



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No. Lab Number

: ST46266 : 06155971 Unique Number : 10991394

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** 

: 22 Apr 2024 : 23 Apr 2024 Diagnosed Test Package : IND 2 ( Additional Tests: KF )

: 24 Apr 2024 - Jonathan Hester

US 43026 Contact: SCOTT ROGERS srogers@fluid-power-solutions.com

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (614)777-8954 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (614)777-8640

Hilliard, OH

4400 Edgewyn Ave.