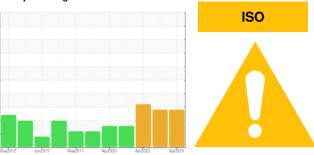


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FALK VAC-PAN-2

Component **Gearbox**

CASTROL AP GEAR LUBRICANT 85W140 (10 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

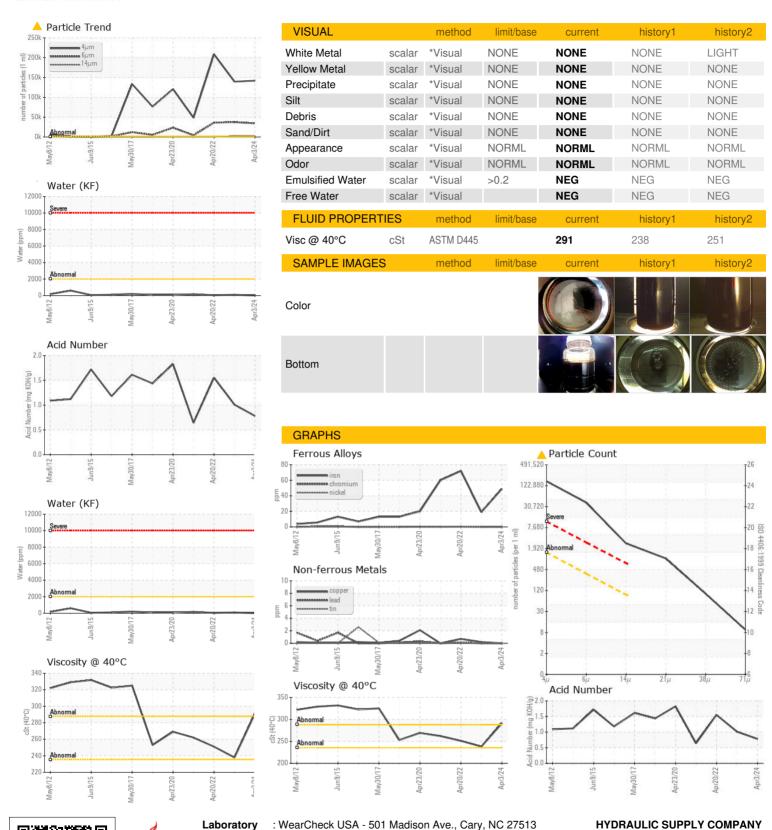
Fluid Condition

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

•						
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43249	ST40737	ST44324
Sample Date		Client Info		03 Apr 2024	13 Apr 2023	20 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	49	19	72
Chromium	ppm	ASTM D5185m	>15	0	0	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	2
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		33	14	55
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	4	7
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	4	2
Calcium	ppm	ASTM D5185m		13	16	39
Phosphorus	ppm	ASTM D5185m		291	538	517
Zinc	ppm	ASTM D5185m		7	32	35
Sulfur	ppm	ASTM D5185m		13261	23694	19810
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	<1	2
Sodium	ppm	ASTM D5185m		1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	1	3
Water	%	ASTM D6304	>0.2	0.001	0.009	0.004
opm Water	ppm	ASTM D6304	>2000	12	95.9	45.8
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	<u> </u>	▲ 139526	▲ 208697
Particles >6μm		ASTM D7647	>320	<u> </u>	<u>▲</u> 37421	△ 36116
Particles >14μm		ASTM D7647	>80	2364	▲ 3038	<u> </u>
Particles >21µm		ASTM D7647	>20	<u> </u>	△ 967	16
Particles >38µm		ASTM D7647	>4	<u>^</u> 86	1 38	0
Particles >71µm		ASTM D7647	>3	<u>^</u> 8	8	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u>4</u> 24/22/18	<u>4</u> 24/22/19	▲ 25/22/15
	TION	method	limit/base		history1	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06143076 Unique Number : 10967884

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST43249 Received : 09 Apr 2024 **Tested**

: 10 Apr 2024 Diagnosed : 11 Apr 2024 - Jonathan Hester

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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BELLE GLADE, FL

Contact: ROBERT RETALEATO

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