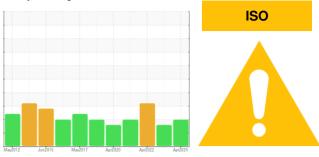


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FALK VAC-PAN-1

Component Gearbox Fluid

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.

Wear

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.

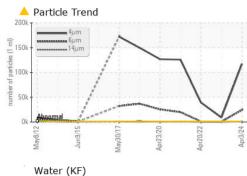
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43204	ST37007	ST44311
Sample Date		Client Info		03 Apr 2024	13 Apr 2023	20 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	115	60	24
Chromium	ppm	ASTM D5185m	>15	1	<1	0
Nickel	ppm	ASTM D5185m	>15	<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m		2	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium		ASTM D5185m	20	 <1	0	0
	ppm			< 1		0
Cadmium	ppm	ASTM D5185m		U	0	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	5	9
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		12	20	23
Calcium	ppm	ASTM D5185m		84	102	128
Phosphorus	ppm	ASTM D5185m		296	446	480
Zinc	ppm	ASTM D5185m		146	270	<u> </u>
Sulfur	ppm	ASTM D5185m		16344	19990	14028
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1	<1	2
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water	%	ASTM D6304		0.097	0.055	0.005
ppm Water	ppm	ASTM D6304	>2000	970	559.8	59.7
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	117136	▲ 9013	▲ 39156
Particles >6µm		ASTM D7647	>320	A 24330	A 776	▲ 850
Particles >14μm		ASTM D7647	>80	<u> </u>	37	11
Particles >21µm		ASTM D7647	>20	143	11	2
Particles >38µm		ASTM D7647	>4	2	3	0
Particles >71µm		ASTM D7647		0	1	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	▲ 24/22/17	· 20/17/12	▲ 22/17/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.08	1.41	

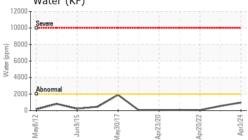
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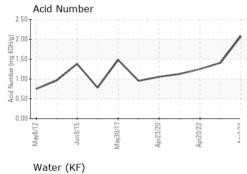
Contact/Location: ROBERT RETALEATO - HYDBELFL

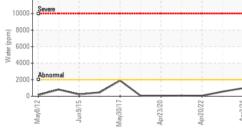


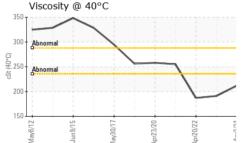
OIL ANALYSIS REPORT





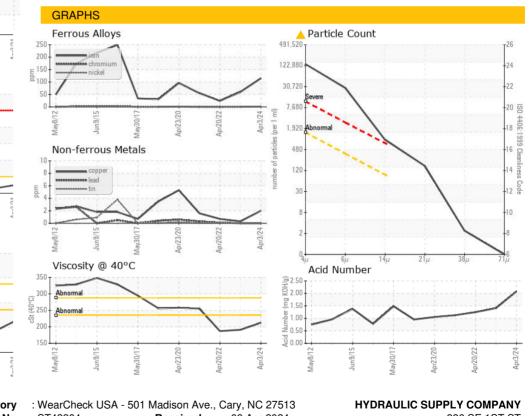








Bottom





Laboratory Sample No. : ST43204 Received : 09 Apr 2024 326 SE 1ST ST Lab Number Tested BELLE GLADE, FL :06143071 : 10 Apr 2024 Diagnosed : 11 Apr 2024 - Jonathan Hester Unique Number : 10967879 US 33430 Test Package : IND 2 (Additional Tests: KF, PrtCount) Contact: ROBERT RETALEATO Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. r.retaleato@hydraulic-supply.com;rsr@hydraulic-supply.com T: (561)996-4431 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (561)996-8531 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: ROBERT RETALEATO - HYDBELFL

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