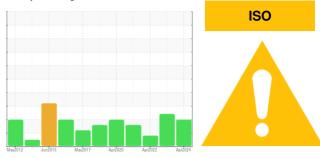


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FALK VAC-PAN-5

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.

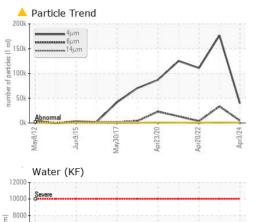
SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		ST44655	ST44857	ST42876
Sample Date		Client Info		03 Apr 2024	13 Apr 2023	20 Apr 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	52	58	48
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	2
Tin	ppm	ASTM D5185m	>25	0	0	<1
Antimony	ppm	ASTM D5185m	>5			
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		14	34	76
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	2	5
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	2	<1
Calcium	ppm	ASTM D5185m		3	8	4
Phosphorus	ppm	ASTM D5185m		209	347	207
Zinc	ppm	ASTM D5185m		1	8	0
Sulfur	ppm	ASTM D5185m		12834	23260	17975
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	<1	5
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	2	2
Water	%	ASTM D6304		0.003	0.014	0.015
ppm Water	ppm	ASTM D6304	>2000	34	147.9	159.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	▲ 39465	176937	▲ 110722
Particles >6µm		ASTM D7647	>320	<u> </u>	▲ 33595	▲ 3832
Particles >14µm		ASTM D7647	>80	A 304	1 692	21
Particles >21µm		ASTM D7647	>20	<u> </u>	A 315	3
Particles >38µm		ASTM D7647	>4	2	4	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	A 22/19/15	▲ 25/22/18	▲ 24/19/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	Contact	0.88 /I ocation: BOB	1.69 FRT RETALEA	1.178 TO - HYDBELE

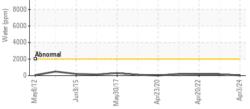
Report Id: HYDBELFL [WUSCAR] 06143074 (Generated: 04/11/2024 16:41:47) Rev: 1

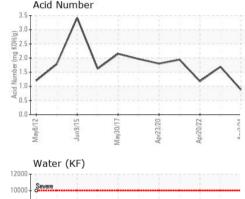
Contact/Location: ROBERT RETALEATO - HYDBELFL

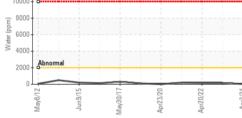


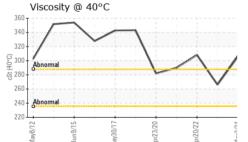
OIL ANALYSIS REPORT





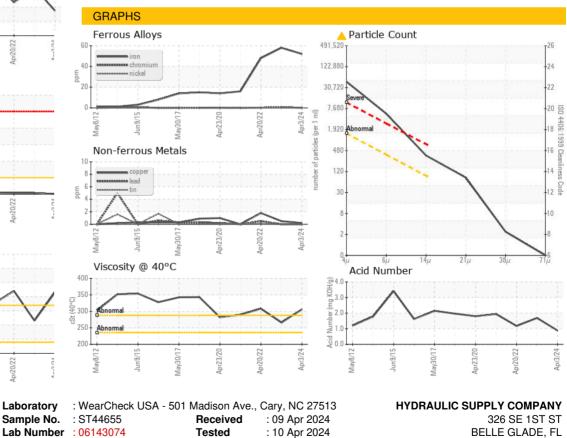






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		306	266	308
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				\bigcirc		

Bottom



: 11 Apr 2024 - Jonathan Hester

Diagnosed

Certificate 12367 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) Report Id: HYDBELFL [WUSCAR] 06143074 (Generated: 04/11/2024 16:41:47) Rev: 1

Test Package : IND 2 (Additional Tests: KF, PrtCount)

Unique Number : 10967882

Contact/Location: ROBERT RETALEATO - HYDBELFL

Page 2 of 2

T: (561)996-4431

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Contact: ROBERT RETALEATO

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