

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id FALK VAC-PAN-4

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.

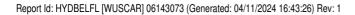
Contamination

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.

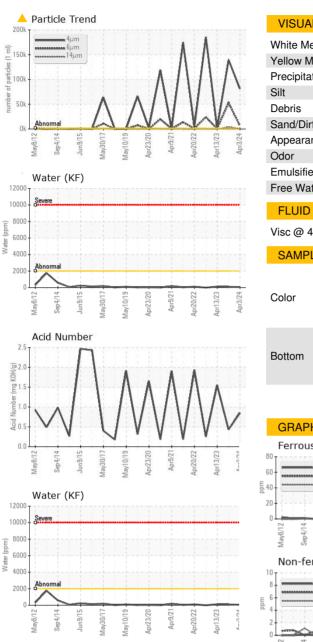
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43731	ST44858	ST38750
Sample Date		Client Info		03 Apr 2024	13 Apr 2023	13 Apr 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	22	0	15
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m		0	0	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		20	0	30
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	1	1
Calcium	ppm	ASTM D5185m		11	0	10
Phosphorus	ppm	ASTM D5185m		200	363	456
Zinc	ppm	ASTM D5185m		4	0	20
Sulfur		ASTM D5185m		13845	79	23646
	ppm		Prod 1 / Incore a			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	9	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.2	0.006	0.008	0.011
ppm Water	ppm	ASTM D6304	>2000	60	87.7	116.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
	IESS	method ASTM D7647	limit/base >1300	A 81200	history1 1974 	139589
Particles >4µm	JESS		>1300			
Particles >4μm Particles >6μm	IESS	ASTM D7647	>1300	A 81200	974	139589
Particles >4μm Particles >6μm Particles >14μm	IESS	ASTM D7647 ASTM D7647	>1300 >320 >80	▲ 81200 ▲ 6577	1974604	▲ 139589▲ 52682
FLUID CLEANLIN Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm	IESS	ASTM D7647 ASTM D7647 ASTM D7647	>1300 >320 >80	 81200 6577 282 	197460440	 139589 52682 4117
Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm	JESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >320 >80 >20 >4	 81200 6577 282 85 	 1974 604 40 6 	 139589 52682 4117 789
Particles >4μm Particles >6μm Particles >14μm Particles >21μm	IESS	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >320 >80 >20 >4	 81200 6577 282 85 5 	 1974 604 40 6 1 	 139589 52682 4117 789 46
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >320 >80 >20 >4 >3	 81200 6577 282 85 5 0 	 1974 604 40 6 1 0 	 ▲ 52682 ▲ 4117 ▲ 789 ▲ 46 1

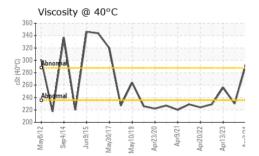


Contact/Location: ROBERT RETALEATO - HYDBELFL

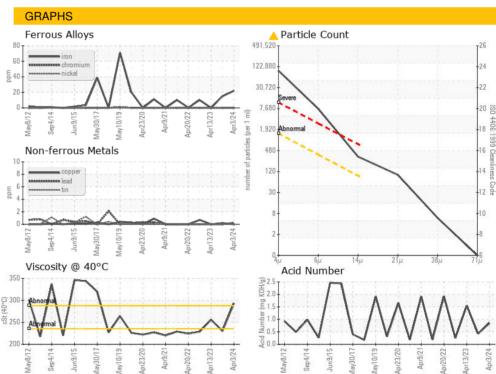


OIL ANALYSIS REPORT





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		293	230	256
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						



HYDRAULIC SUPPLY COMPANY Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : ST43731 Received : 09 Apr 2024 326 SE 1ST ST Lab Number : 06143073 Tested BELLE GLADE, FL : 10 Apr 2024 Unique Number : 10967881 Diagnosed : 11 Apr 2024 - Jonathan Hester 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (561)996-8531

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