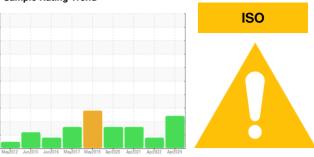


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FALK VAC-PAN-3

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.

(10 GAL)		May2012 Jul	12015 Jun2016 May2017	May2019 Apr2020 Apr2021 Apr20	JZZ Aprzuz4	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST43247	ST44315	ST42012
Sample Date		Client Info		03 Apr 2024	20 Apr 2022	09 Apr 2021
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	86	148	199
Chromium	ppm	ASTM D5185m	>15	1	<1	<1
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>200	<1	4	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
Antimony	ppm	ASTM D5185m	>5			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		1	59	66
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	5	8
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		15	<1	<1
Calcium	ppm	ASTM D5185m		168	9	22
Phosphorus	ppm	ASTM D5185m		296	452	522
Zinc	ppm	ASTM D5185m		54	13	11
Sulfur	ppm	ASTM D5185m		11290	19408	19953
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	7	6
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.2	0.004	0.005	0.009
ppm Water	ppm	ASTM D6304	>2000	43	55.0	90.4
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 159807	<u>4242004</u>
Particles >6µm		ASTM D7647	>320	<u>^</u> 61910	<u>▲</u> 17045	<u>▲</u> 130125
Particles >14μm		ASTM D7647	>80	<u> </u>	23	<u> </u>
Particles >21µm		ASTM D7647	>20	<u>^</u> 364	3	<u></u> ▲ 124
Particles >38µm		ASTM D7647	>4	<u>^</u> 25	0	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	<u>\$\text{\Delta}\$ 25/23/17</u>	<u>4</u> 24/21/12	<u>\$\text{\Delta}\$ 25/24/18</u>
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

1.84 1.455 Contact/Location: ROBERT RETALEATO - HYDBELFL



OIL ANALYSIS REPORT







Certificate 12367

Lab Number

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST43247 : 06143075

Received : 09 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed Unique Number : 10967883 : 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

* - 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)

HYDRAULIC SUPPLY COMPANY

326 SE 1ST ST BELLE GLADE, FL US 33430

Contact: ROBERT RETALEATO r.retaleato@hydraulic-supply.com;rsr@hydraulic-supply.com

T: (561)996-4431 F: (561)996-8531

Report Id: HYDBELFL [WUSCAR] 06143075 (Generated: 04/11/2024 16:41:31) Rev: 1

Contact/Location: ROBERT RETALEATO - HYDBELFL