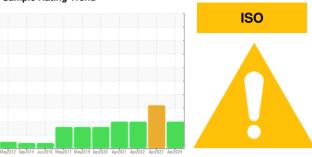


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FALK VAC-PAN-12

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 Sep2	014 Jun2016 May2017 May2	2019 AprŽ020 AprŽ021 AprŽ022 Apr	2023 Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46310	ST37220	ST42448
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
ron	ppm	ASTM D5185m	>200	75	120	<u>^</u> 226
Chromium	ppm	ASTM D5185m	>15	<1	4	6
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	5	11
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	<1	<1	<1
Γin	ppm	ASTM D5185m	>25	0	0	0
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		24	42	78
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	10	16
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		0	3	<1
Calcium	ppm	ASTM D5185m		16	89	39
Phosphorus	ppm	ASTM D5185m		253	548	302
Zinc	ppm	ASTM D5185m		7	54	20
Sulfur	ppm	ASTM D5185m		10743	17934	21364
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	3	4
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	1	4
Water	%	ASTM D6304	>0.2	0.004	0.009	0.003
opm Water	ppm	ASTM D6304	>2000	43	97.6	37.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	178373	▲ 172945	
Particles >6µm		ASTM D7647	>320	41866	<u>^</u> 76332	
Particles >14µm		ASTM D7647	>80	<u>^</u> 269	△ 916	
Particles >21µm		ASTM D7647	>20	<u></u> 4 36	<u>▲</u> 138	
Particles >38µm		ASTM D7647	>4	0	1 1	
Particles >71µm		ASTM D7647	>3	0	<u>^</u> 3	
Oil Cleanliness		ISO 4406 (c)	>17/15/13	25/23/15	<u>\$\infty\$ 25/23/17</u>	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

1.08 Contact/Location: ROBERT RETALEATO - HYDBELFL



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number

: ST46310 : 06143067 Unique Number : 10967875

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. * - 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

Contact/Location: ROBERT RETALEATO - HYDBELFL

F: (561)996-8531