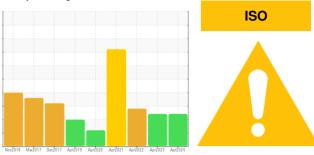


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

TB-1 REDUCER

Gearbox

Geal bo

CHEVRON MEROPA 220 (20 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.

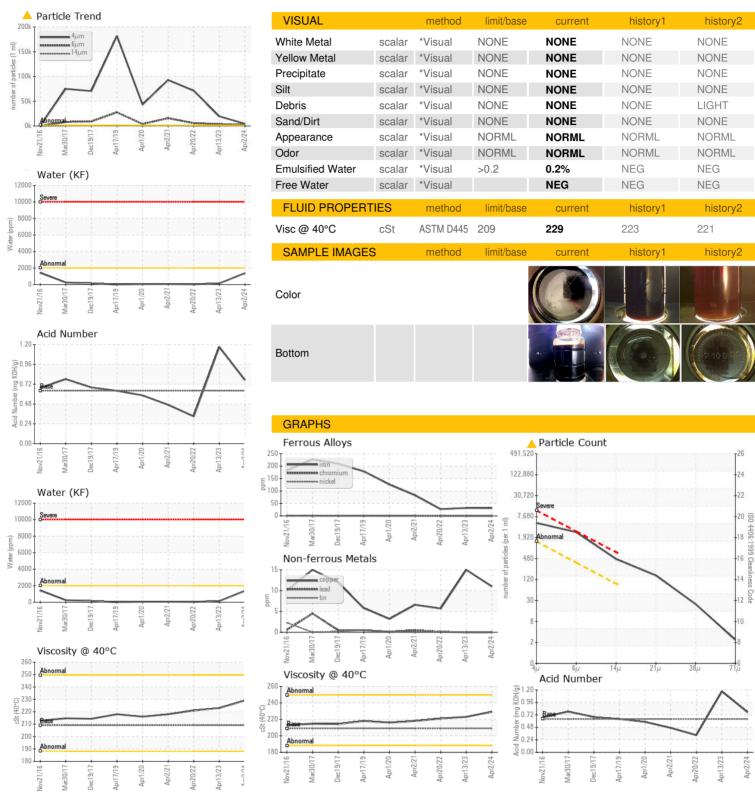
Fluid Condition

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		ST43730	ST42168	ST44212
Sample Date		Client Info		02 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	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	31	32	27
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	<1	1
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m	>200	11	15	6
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	40	0	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	<1	<1
Calcium	ppm	ASTM D5185m		1	1	6
Phosphorus	ppm	ASTM D5185m	270	99	124	137
Zinc	ppm	ASTM D5185m		0	4	0
Sulfur	ppm	ASTM D5185m	8600	3767	4260	3457
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4	18	4
Sodium	ppm	ASTM D5185m		1	<1	0
	ppm	ASTM D5185m ASTM D5185m	>20	1	<1 0	2
Potassium						
Potassium Water	ppm	ASTM D5185m		0	0	2
Potassium Water	ppm % ppm	ASTM D5185m ASTM D6304	>0.2 >2000 limit/base	0 0.137	0 0.014	2 0.003 39.4 history2
Potassium Water ppm Water FLUID CLEANLIN	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>0.2 >2000	0 0.137 1370	0 0.014 142.9 history1 ▲ 19506	2 0.003 39.4 history2
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method	>0.2 >2000 limit/base	0 0.137 1370 current	0 0.014 142.9 history1	2 0.003 39.4 history2
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>0.2 >2000 limit/base >1300	0 0.137 1370 current 4419	0 0.014 142.9 history1 ▲ 19506	2 0.003 39.4 history2
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>0.2 >2000 limit/base >1300 >320	0 0.137 1370 current 4419 2408	0 0.014 142.9 history1 △ 19506 △ 3747	2 0.003 39.4 history2 • 71090 • 5591
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>0.2 >2000 limit/base >1300 >320 >80	0 0.137 1370 current 4419 2408 410	0 0.014 142.9 history1 ▲ 19506 ▲ 3747 ▲ 221	2 0.003 39.4 history2 1090 5591 76
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.2 >2000 limit/base >1300 >320 >80 >20	0 0.137 1370 current 4419 2408 410 138	0 0.014 142.9 history1 ▲ 19506 ▲ 3747 ▲ 221 ▲ 54	2 0.003 39.4 history2 71090 5591 76 12 2 2
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.2 >2000 limit/base >1300 >320 >80 >20 >4	0 0.137 1370 current 4419 2408 410 138 21	0 0.014 142.9 history1 ▲ 19506 ▲ 3747 ▲ 221 ▲ 54	2 0.003 39.4 history2 71090 5591 76 12 2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ST43730 Lab Number : 06143081

Unique Number: 10967889

Received Tested

: 15 Apr 2024 Diagnosed : 15 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.

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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 09 Apr 2024