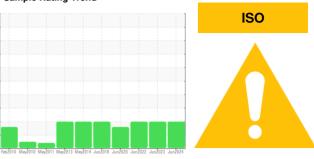


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PARKER OSS HPU

Component Hydraulic System

Fluid

BRAYCO CASTRO (120 GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

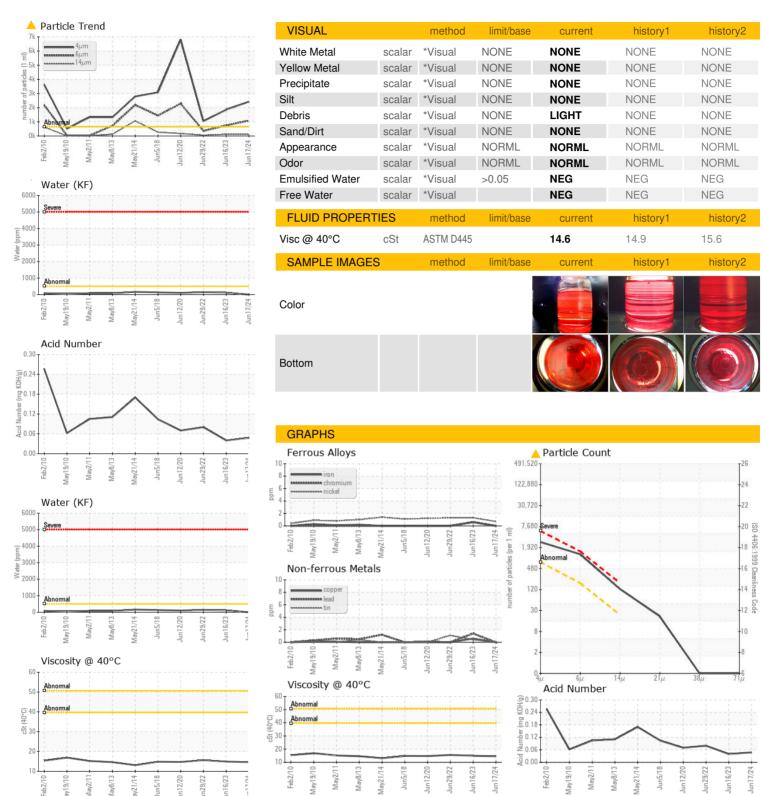
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		ST46774	ST44097	ST42964
Sample Date		Client Info		17 Jun 2024	16 Jun 2023	29 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	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	>30	0	<1	0
Chromium	ppm	ASTM D5185m	>2	0	<1	0
Nickel	ppm	ASTM D5185m	>2	<1	1	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>2	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	1	0
Copper	ppm	ASTM D5185m	>25	0	<1	0
Tin	ppm	ASTM D5185m	>20	0	<1	1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		730	661	627
Zinc	ppm	ASTM D5185m		2	0	7
Sulfur	ppm	ASTM D5185m		0	106	35
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.00	0.011	0.014
ppm Water	ppm	ASTM D6304	>500	0	113.7	142.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	2426	<u></u> 1856	▲ 1057
Particles >6µm		ASTM D7647	>160	<u> </u>	▲ 748	△ 357
Particles >14μm		ASTM D7647	>20	<u> </u>	<u> </u>	<u></u> 50
Particles >21μm		ASTM D7647	>4	<u> </u>	<u>^</u> 24	1 0
Particles >38μm		ASTM D7647	>3	0	0	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/11	18/17/14	<u>▲</u> 18/17/14	▲ 17/16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

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

: 06221252 Unique Number : 11099449

: ST46774

Received **Tested**

Diagnosed Test Package : IND 2 (Additional Tests: KF)

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.

: 27 Jun 2024 - Wes Davis

: 26 Jun 2024

: 27 Jun 2024

US 58705 Contact: KIRK PHELPS kirk.phelps@atc-hq.com T: (701)727-9740

476 TRAINER TRAIL

MINOT AFB, ND

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (701)727-9742

AVIATION TRAINING CONSULTING, LLC