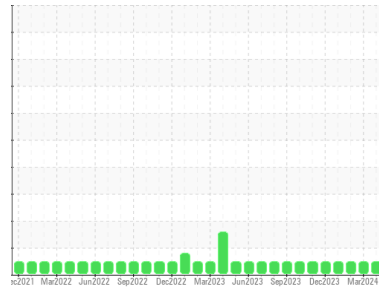




OIL ANALYSIS REPORT

Area
HPU32
 Machine Id
HTS39
 Component
Hydraulic System
 Fluid
CASTROL BRAYCO MICRONIC 882 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0896043	WC0896059	WC0896065
Sample Date	Client Info	08 Apr 2024	06 Mar 2024	13 Feb 2024
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		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	0	0	0
Chromium	ppm ASTM D5185m >20	0	0	0
Nickel	ppm ASTM D5185m >20	0	0	0
Titanium	ppm ASTM D5185m	0	0	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >20	0	0	0
Lead	ppm ASTM D5185m >20	0	0	0
Copper	ppm ASTM D5185m >20	0	0	0
Tin	ppm ASTM D5185m >20	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	0
Barium	ppm ASTM D5185m	<1	0	0
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	0	0	0
Magnesium	ppm ASTM D5185m	0	0	0
Calcium	ppm ASTM D5185m	0	0	16
Phosphorus	ppm ASTM D5185m	464	665	710
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m	43	0	24

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	0	0	<1
Sodium	ppm ASTM D5185m	<1	1	<1
Potassium	ppm ASTM D5185m >20	0	0	0
Water	% ASTM D6304 >0.05	0.014	0.013	0.012
ppm Water	ppm ASTM D6304 >500	143	135	121

FLUID CLEANLINESS

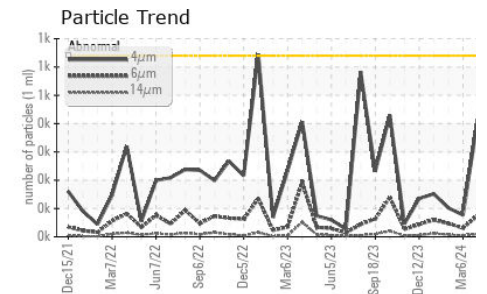
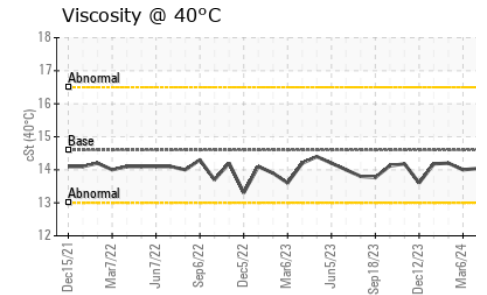
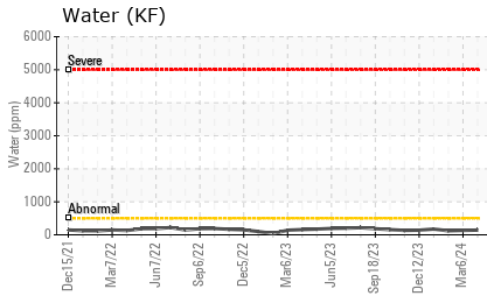
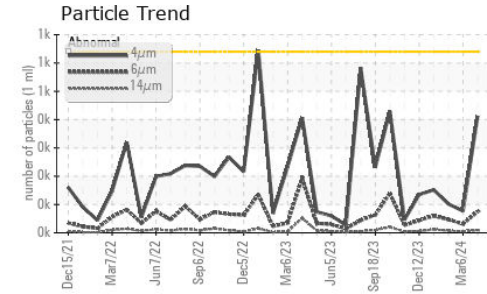
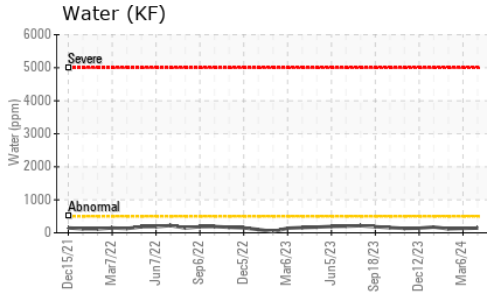
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >640	412	77	102
Particles >6µm	ASTM D7647 >160	75	31	47
Particles >14µm	ASTM D7647 >20	9	5	7
Particles >21µm	ASTM D7647 >4	2	1	2
Particles >38µm	ASTM D7647 >3	0	0	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >16/14/11	16/13/10	13/12/10	14/13/10

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.014	0.177	0.078	0.169



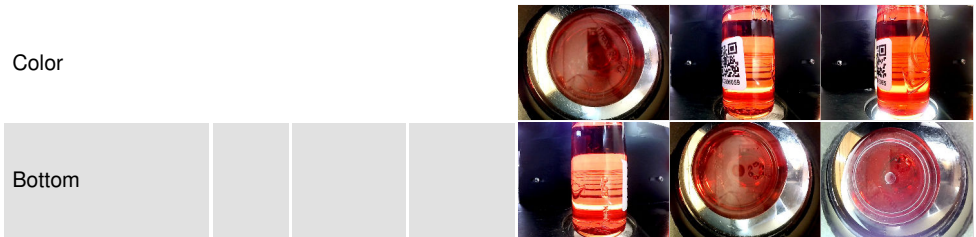
OIL ANALYSIS REPORT



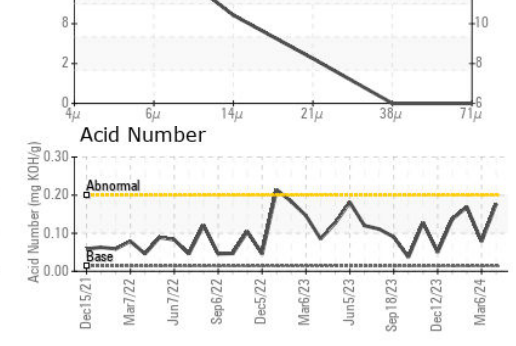
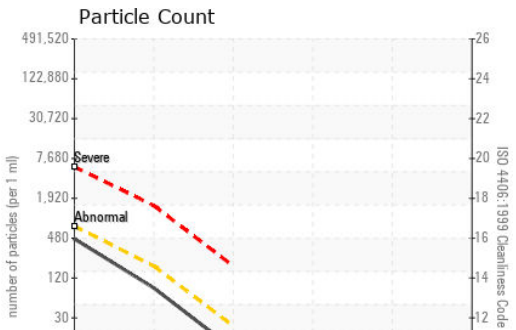
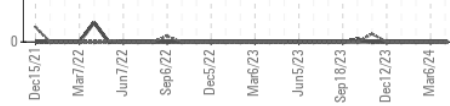
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		0.850	0.850	0.850
Visc @ 40°C	cSt	ASTM D445	14.6	14.00	14.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0896043
Lab Number : 06146281
Unique Number : 10976359
Test Package : IND 2 (Additional Tests: KF, SpecGravity)
Received : 11 Apr 2024
Tested : 16 Apr 2024
Diagnosed : 16 Apr 2024 - Jonathan Hester

PARKER AEROSPACE
 2010 WALDROP INDUSTRIAL BLVD
 DUBLIN, GA
 US 31021
 Contact: TRENT MCADAMS
 trent.mcadams@parker.com
 T: (478)275-4030
 F:

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)