

OIL ANALYSIS REPORT

Machine Id ELLIOT COMP 3 - UNIFI-MADISON (S/N B3EV2E087-1) Component Compressor Fluid **DIAMOND BLUE (--- GAL)**

Recommendation

Resample at the next service interval to monitor.

Wear

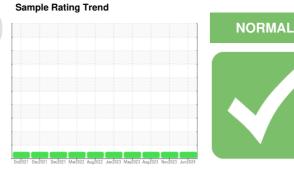
All component wear rates are normal.

Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. There is no indication of any contamination in the oil.

Fluid Condition

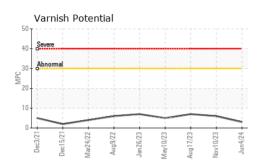
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

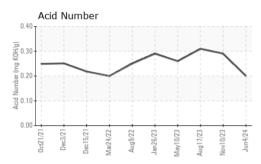


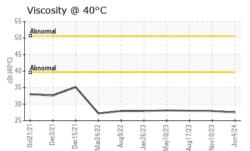
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0903375	WC0874266	WC0809800
Sample Date		Client Info		04 Jun 2024	10 Nov 2023	17 Aug 2023
Machine Age	hrs	Client Info		69069	67143	66068
Oil Age	hrs	Client Info		5000	11178	11048
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		0	1	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m		0	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
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		393	365	366
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	1	0
Calcium	ppm	ASTM D5185m		<1	<1	0
Phosphorus	ppm	ASTM D5185m		3	26	17
Zinc	ppm	ASTM D5185m		3	0	0
Sulfur	ppm	ASTM D5185m		169	81	187
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Sodium	ppm	ASTM D5185m		1	6	3
Potassium	ppm	ASTM D5185m	>20	<1	1	1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.20	0.29	0.31
MPC Varnish Potential	Scale	ASTM D7843	>15	3	6	7



OIL ANALYSIS REPORT

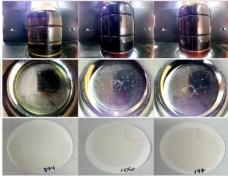






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		27.5	27.9	28.0
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



MPC

10

C

bpm

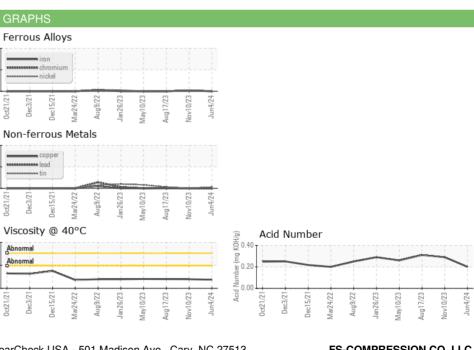
60

. 40 20

cSt (40°C)

Bottom

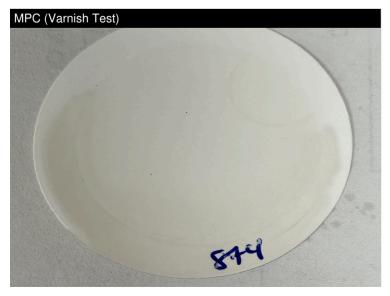


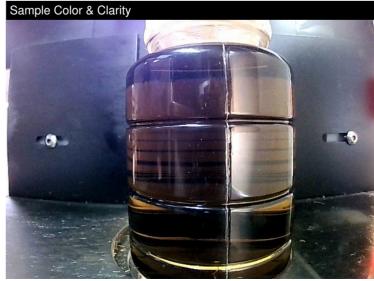


Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **FS-COMPRESSION CO, LLC** Sample No. : WC0903375 Received : 07 Jun 2024 203 AERO COURT Lab Number : 06202874 Tested : 14 Jun 2024 GREENSBORO, NC Unique Number : 11070335 Diagnosed : 14 Jun 2024 - Doug Bogart US 27409 Test Package : IND 2 (Additional Tests: MPC) Contact: Dallas Burcham Certificate 12367 dallas.burcham@fs-compression.com To discuss this sample report, contact Customer Service at 1-800-237-1369. T: (336)605-9622 * - 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) F: (336)605-9844

Contact/Location: Dallas Burcham - AIRGREWC

Page 2 of 4





Report Id: AIRGREWC [WUSCAR] 06202874 (Generated: 06/14/2024 14:55:46) Rev: 1

Contact/Location: Dallas Burcham - AIRGREWC Page 3 of 4

This page left intentionally blank