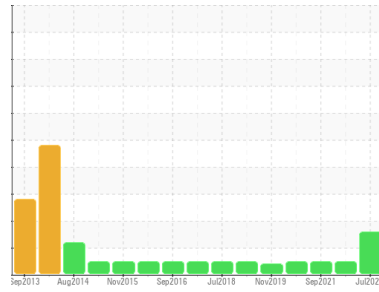




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
SULLAIR 003-63148 - PCS PHOSPHATE
 Component
Compressor
 Fluid
SULLAIR SULLUBE 32 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0811761	WC0696988	WC0585329
Sample Date	Client Info		12 Jul 2024	12 Sep 2022	17 Sep 2021
Machine Age	hrs	Client Info	8382	53696	45124
Oil Age	hrs	Client Info	2000	4000	6000
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1	0
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	2	<1	0
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >50	6	10	18
Tin	ppm	ASTM D5185m >15	<1	0	0
Antimony	ppm	ASTM D5185m	---	---	5
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	<1	0
Barium	ppm	ASTM D5185m 745	694	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	1	1	0
Calcium	ppm	ASTM D5185m 1	0	0	0
Phosphorus	ppm	ASTM D5185m 3	7	5	0
Zinc	ppm	ASTM D5185m	13	0	12
Sulfur	ppm	ASTM D5185m	317	496	436

CONTAMINANTS

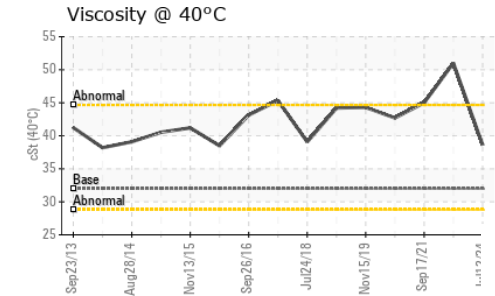
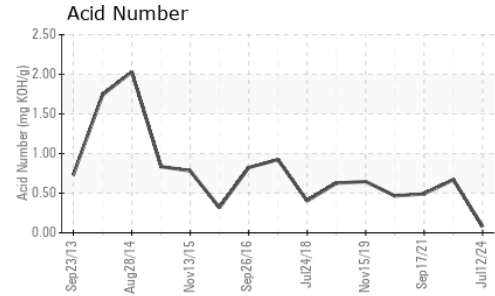
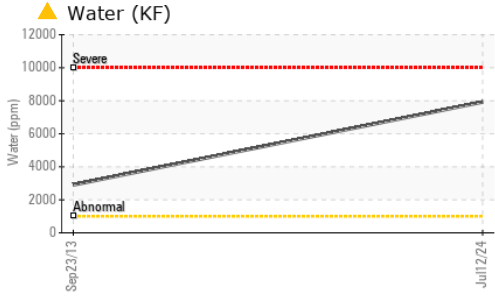
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	<1	<1
Sodium	ppm	ASTM D5185m	25	22	28
Potassium	ppm	ASTM D5185m >20	4	2	0
Water	%	ASTM D6304 >0.1	▲ 0.792	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 7920	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.67	0.491



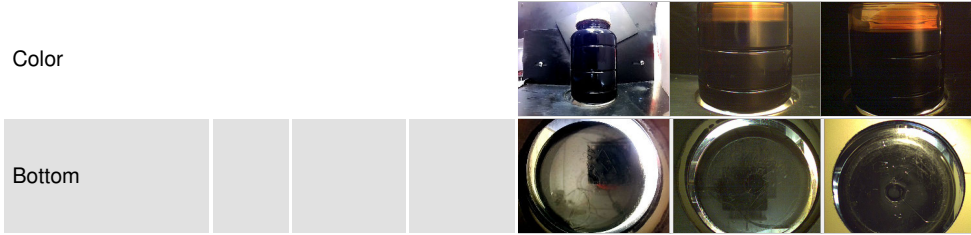
OIL ANALYSIS REPORT



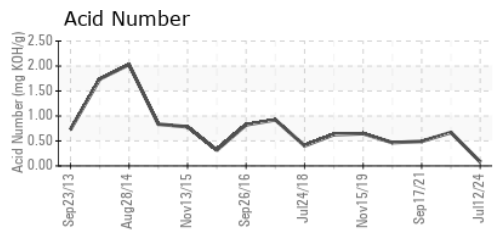
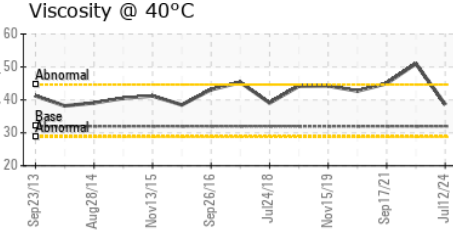
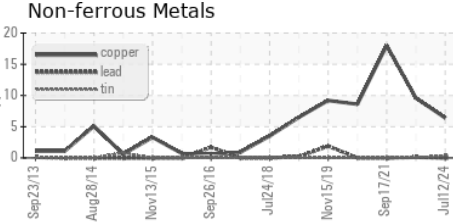
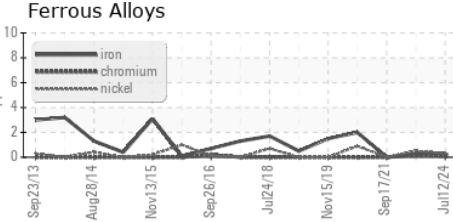
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32.0	38.6	51.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0811761 **Received** : 15 Jul 2024
Lab Number : 06236952 **Tested** : 18 Jul 2024
Unique Number : 11125786 **Diagnosed** : 18 Jul 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

FS-COMPRESSION CO, LLC
 203 AERO COURT
 GREENSBORO, NC
 US 27409
 Contact: Dallas Burcham
 dallas.burcham@fs-compression.com
 T: (336)605-9622
 F: (336)605-9844

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)