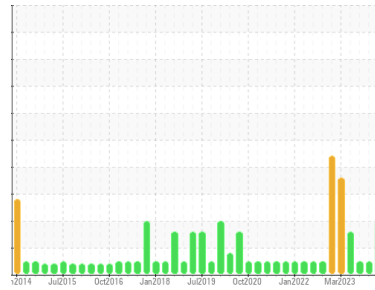




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
MEZZ [20765]
 Machine Id
12612 (S/N 003-53920)
 Component
Compressor
 Fluid
COMPRESSOR OIL (PAO) ISO 46 (14 GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0802852	WC0904816	WC0857537
Sample Date	Client Info	02 Apr 2024	18 Feb 2024	05 Oct 2023
Machine Age	hrs	6	43466	43558
Oil Age	hrs	0	646	0
Oil Changed	Client Info	Changed	Not Changd	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL

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	<1	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >25	<1	<1	0
Lead	ppm	ASTM D5185m >25	0	<1	0
Copper	ppm	ASTM D5185m >50	<1	2	<1
Tin	ppm	ASTM D5185m >15	0	<1	0
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 1	0	0	0
Barium	ppm	ASTM D5185m 1	0	5	0
Molybdenum	ppm	ASTM D5185m 1	0	<1	0
Manganese	ppm	ASTM D5185m	<1	<1	0
Magnesium	ppm	ASTM D5185m 1	<1	0	4
Calcium	ppm	ASTM D5185m 1	0	0	0
Phosphorus	ppm	ASTM D5185m 800	582	510	567
Zinc	ppm	ASTM D5185m 20	0	6	<1
Sulfur	ppm	ASTM D5185m 37	61	0	8

CONTAMINANTS

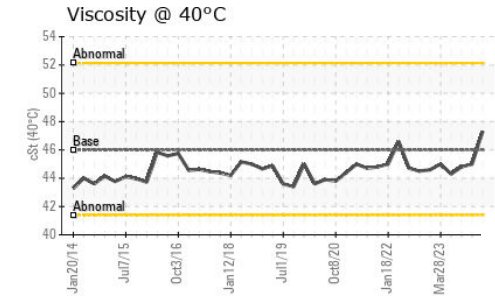
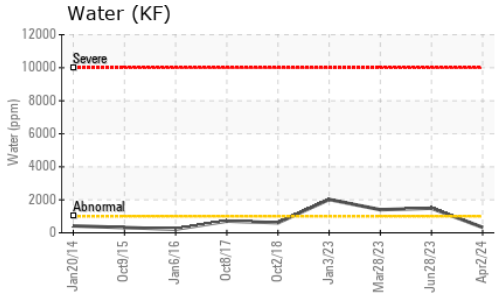
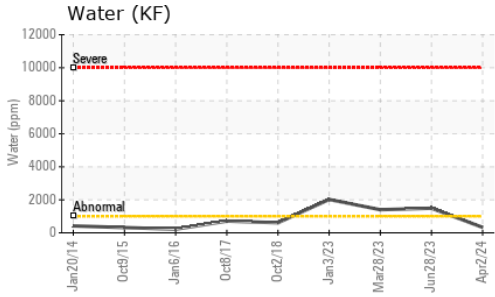
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	<1	2	2
Sodium	ppm	ASTM D5185m	<1	0	1
Potassium	ppm	ASTM D5185m >20	<1	<1	1
Water	%	ASTM D6304 >0.1	0.033	---	---
ppm Water	ppm	ASTM D6304 >1000	330	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.24	0.26	0.20	0.17



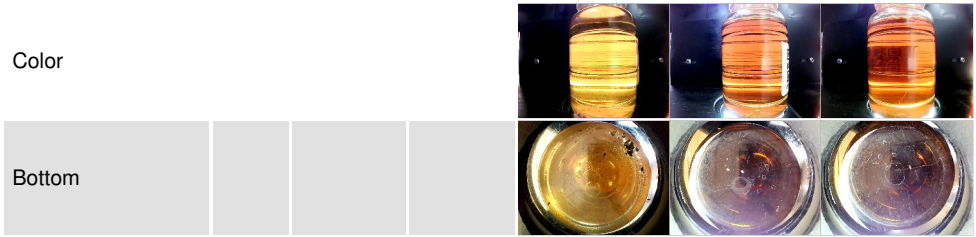
OIL ANALYSIS REPORT



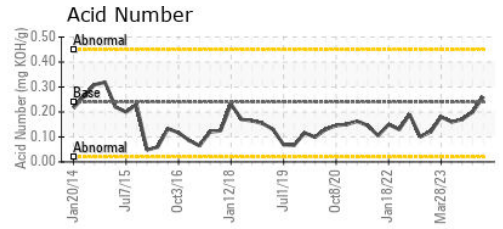
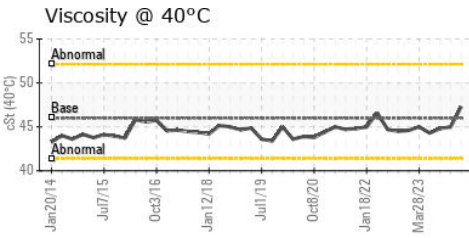
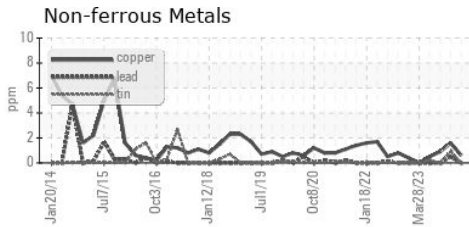
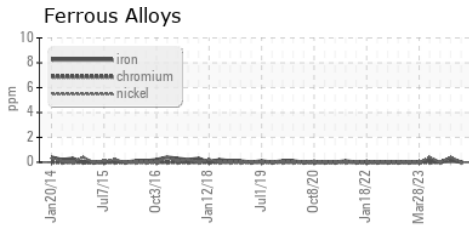
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual	▲ 1.0	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	47.3	45.0	44.8

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0802852 **Received** : 05 Apr 2024
Lab Number : 06140040 **Tested** : 08 Apr 2024
Unique Number : 10964848 **Diagnosed** : 08 Apr 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

LAMB WESTON/RDO
 PO BOX 552
 PARK RAPIDS, MN
 US 56470

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: MICHAEL GRUIS
michael.gruis@lambweston.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (218)732-2188

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

F: (218)732-2175