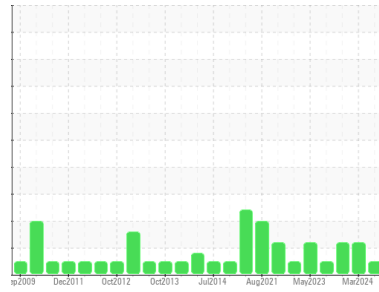




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FES SWC-1 (S/N AB10234V)
 Component
Refrigeration Compressor
 Fluid
USPI 1009-68 SC (145 GAL)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 There is a trace of moisture present 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	USP248839	USP0006224	USP243762
Sample Date	Client Info	24 Jun 2024	20 Mar 2024	01 Dec 2023
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		NORMAL	ATTENTION	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >8	0	1	0
Chromium	ppm ASTM D5185m >2	0	<1	0
Nickel	ppm ASTM D5185m	0	2	0
Titanium	ppm ASTM D5185m	0	<1	0
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >3	0	1	0
Lead	ppm ASTM D5185m >2	0	<1	0
Copper	ppm ASTM D5185m >8	0	<1	0
Tin	ppm ASTM D5185m >4	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	0	0	0
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	0	0
Calcium	ppm ASTM D5185m	0	0	0
Phosphorus	ppm ASTM D5185m	0	0	0
Zinc	ppm ASTM D5185m	0	0	0
Sulfur	ppm ASTM D5185m 50	<1	0	0

CONTAMINANTS

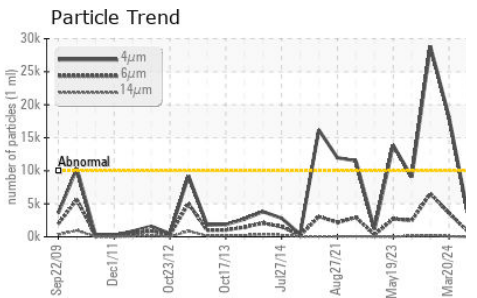
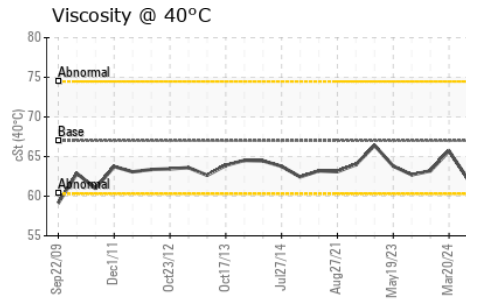
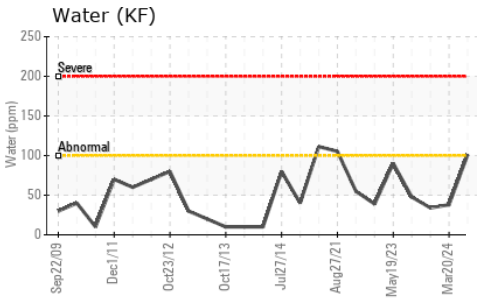
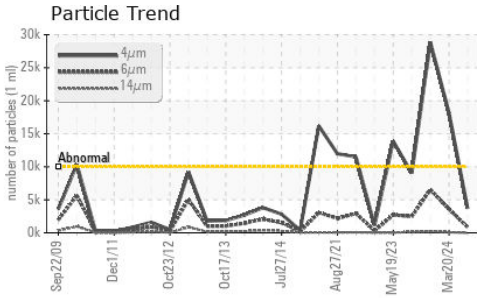
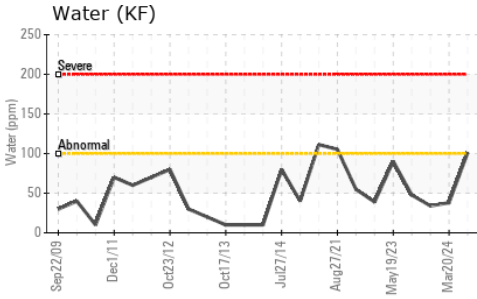
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	0	2	<1
Sodium	ppm ASTM D5185m	<1	0	0
Potassium	ppm ASTM D5185m >20	<1	<1	0
Water	% ASTM D6304 >0.01	0.010	0.003	0.003
ppm Water	ppm ASTM D6304 >100	101	38	34

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >10000	3692	● 18176	▲ 28849
Particles >6µm	ASTM D7647 >2500	848	● 3590	▲ 6535
Particles >14µm	ASTM D7647 >320	7	84	177
Particles >21µm	ASTM D7647 >80	1	13	23
Particles >38µm	ASTM D7647 >20	0	0	0
Particles >71µm	ASTM D7647 >4	0	0	0
Oil Cleanliness	ISO 4406 (c) >20/18/15	19/17/10	● 21/19/14	▲ 22/20/15

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974 0.005	0.014	0.028	0.015



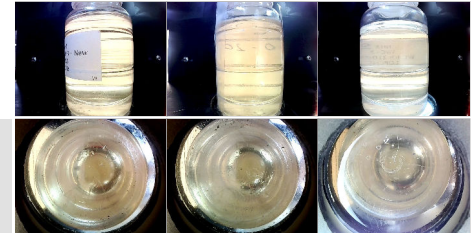
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67	62.2	65.7

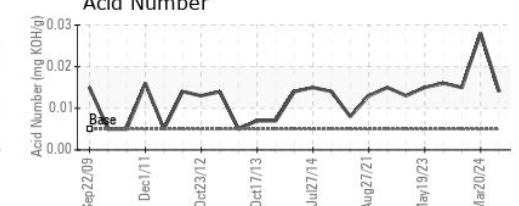
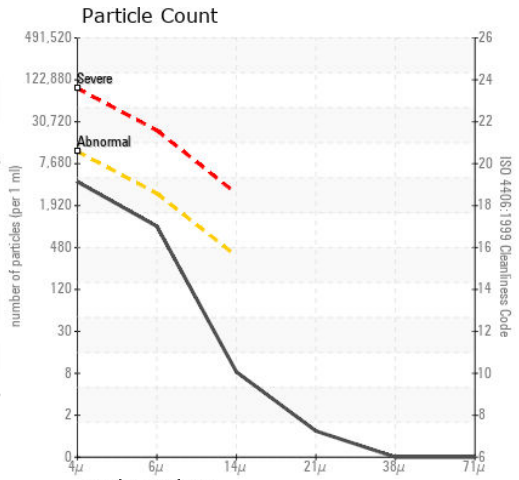
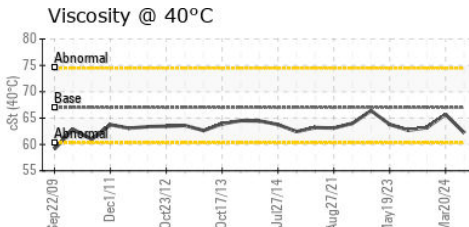
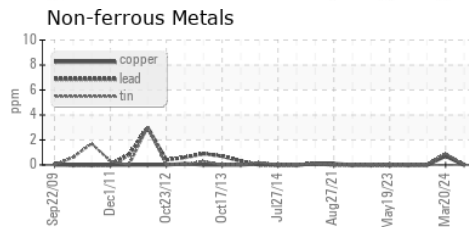
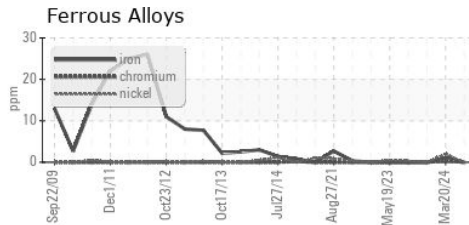
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : USP248839
 Lab Number : 06219737
 Unique Number : 11097934
 Test Package : IND 2

Received : 25 Jun 2024
 Tested : 26 Jun 2024
 Diagnosed : 26 Jun 2024 - Doug Bogart

LOPEZ FOODS - CHEROKEE-USB
 1300 SOUTH LAKE STREET
 CHEROKEE, IA
 US 51012
 Contact: ROD STOWATER

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)

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