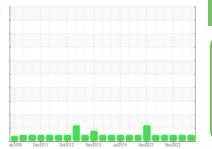


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FES SWC-3 (S/N MK5-109)

Refrigeration Compressor

Fluid USPI 1009-68 SC (150 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

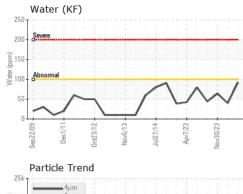
Fluid Condition

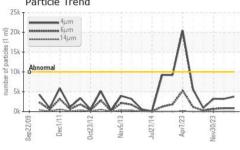
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

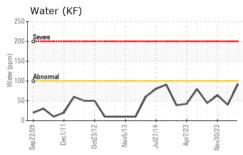
192 ² 009 Dec2011 Oct2012 New2013 Jul2014 Apr2023 New2023										
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		USP0013063	USP0006214	USP06034692				
Sample Date		Client Info		24 Jun 2024	20 Mar 2024	30 Nov 2023				
Machine Age	hrs	Client Info		0	0	0				
Oil Age	hrs	Client Info		0	0	0				
Oil Changed		Client Info		N/A	N/A	N/A				
Sample Status				NORMAL	NORMAL	NORMAL				
WEAR METALS		method	limit/base	current	history1	history2				
Iron	ppm	ASTM D5185m	>8	0	2	0				
Chromium	ppm	ASTM D5185m	>2	0	<1	0				
Nickel	ppm	ASTM D5185m		0	<1	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	<1	0				
Calcium	ppm	ASTM D5185m		0	0	0				
Phosphorus	ppm	ASTM D5185m		0	0	0				
Zinc	ppm	ASTM D5185m		0	3	0				
Sulfur	ppm	ASTM D5185m	50	20	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	0	<1	0				
Water	%	ASTM D6304	>0.01	0.009	0.004	0.006				
ppm Water	ppm	ASTM D6304	>100	92	40	64				
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2				
Particles >4µm		ASTM D7647	>10000	3784	3193	3213				
Particles >6µm		ASTM D7647	>2500	851	853	681				
Particles >14μm		ASTM D7647	>320	8	25	14				
Particles >21µm		ASTM D7647	>80	1	5	1				
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	19/17/12	19/17/11				
FLUID DEGRADA	TION	method	limit/base	current	history1	history2				
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.013	0.028	0.015				

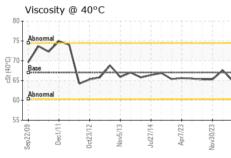


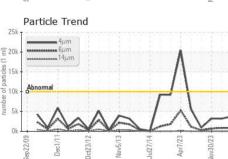
OIL ANALYSIS REPORT

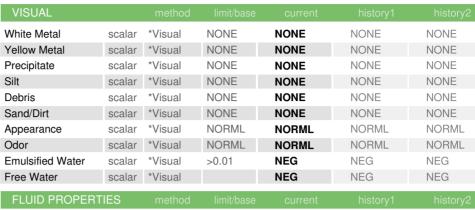










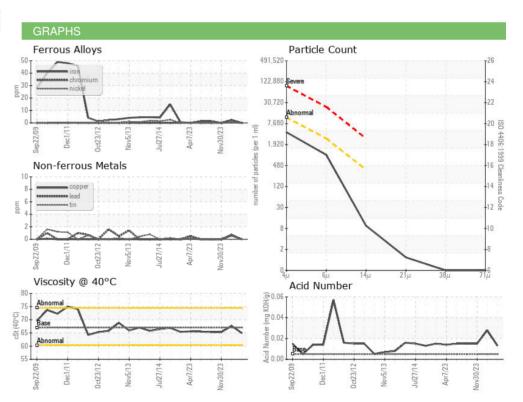


Visc @ 40°C	cSt	ASTM D445	67	64.9	67.6	65.3

SAMPLE IMAGES Color

Bottom









Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USP0013063 Lab Number : 06219739 Unique Number : 11097936

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024

Tested : 26 Jun 2024 Diagnosed

: 26 Jun 2024 - Doug Bogart

LOPEZ FOODS - CHEROKEE-USP

1300 SOUTH LAKE STREET CHEROKEE, IA

US 51012

Contact: ROD STOWATER

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

 st - 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)

T: (712)225-6558 F: (712)225-6556

Contact/Location: ROD STOWATER - TYSCHE