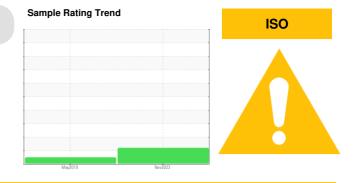
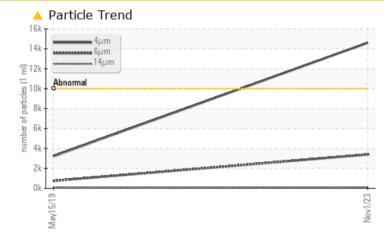
PROBLEM SUMMARY



Machine Id HS-3 Component Refrigeration Compressor Fluid REFRIG COMP OIL ISO 68 (55 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION	NORMAL					
Particles >4µm	ASTM D7647	>10000	<u> </u>	3205					
Particles >6µm	ASTM D7647	>2500	A 3392	740					
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>	19/17/13					

Customer Id: SMISTJ Sample No.: USP0003032 Lab Number: 05996743 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 May 2019 Diag: Doug Bogart



To may 2010 Blag. Boag Bogart



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

limit/base



current

ISO

history2

history1

Machine Id Component **Refrigeration Compressor** Fluid **REFRIG COMP OIL ISO 68 (55 GAL)**

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		methou	IIIIII/Dase	current	Thistory I	Thistory2
Sample Number		Client Info		USP0003032	USP181377	
Sample Date		Client Info		01 Nov 2023	15 May 2019	
Machine Age	hrs	Client Info		0	24077	
Dil Age	hrs	Client Info		0	0	
Dil Changed		Client Info		N/A	Not Changd	
Sample Status				ATTENTION	NORMAL	
	_					
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>8	0	0	
Chromium	ppm	ASTM D5185m	>2	<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Fitanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>3	<1	0	
_ead	ppm	ASTM D5185m	>2	0	0	
Copper	ppm	ASTM D5185m	>8	<1	0	
Γin	ppm	ASTM D5185m	>4	0	0	
Antimony	ppm	ASTM D5185m			0	
/anadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
			line it //s a a a		la internet	bister O
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	
Barium	ppm	ASTM D5185m	5	0	0	
Nolybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Vagnesium	ppm	ASTM D5185m	5	0	0	
Calcium	ppm	ASTM D5185m	12	0	0	
Phosphorus	ppm	ASTM D5185m	12	0	0	
Zinc	ppm	ASTM D5185m	12	0	0	
Sulfur	ppm	ASTM D5185m	1000	0	6	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	۰ <1	<1	
Vater	%	ASTM D6304		0.003	0.006	
opm Water	ppm	ASTM D6304		37.7	60	
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 14609	3205	
Particles >6µm		ASTM D7647		A 3392	740	
Particles >14µm		ASTM D7647	>320	96 16	62	
Particles >21µm		ASTM D7647		16	15	
Particles >38µm		ASTM D7647	>20	0	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	19/17/13	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
FLUID DEGRADA Acid Number (AN)	ATION mg KOH/g	method ASTM D974	limit/base 0.10	current 0.012	history1 0.007	history2



Acid Number

0.25

OIL ANALYSIS REPORT

method

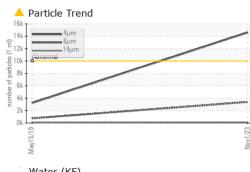
limit/base

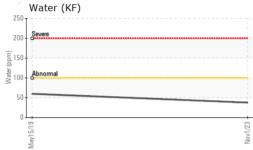
current

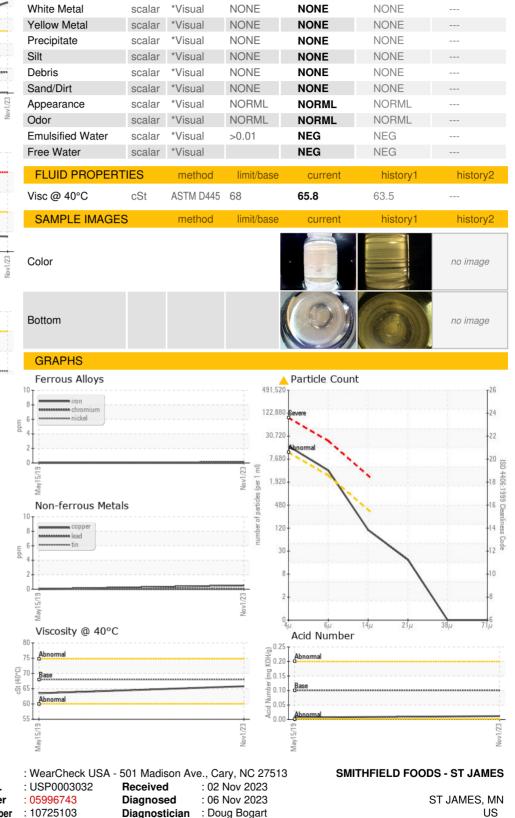
history1

history2

VISUAL







(B/H0.2 ₽°0.1 201 Pio 0.05 0.00 Water (KF) 250 20 Ê 150 Nater 100 50 Π Mav15/1 Viscosity @ 40°C 80 75 () 7(40°C Ba Abnorma 60 55 Laboratory Sample No. Lab Number Unique Number Test Package Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Report Id: SMISTJ [WUSCAR] 05996743 (Generated: 11/06/2023 18:14:32) Rev: 1

: IND 2

* - 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)

Contact/Location: ? ? - SMISTJ

Page 4 of 4

Contact:

T:

F: