

OIL ANALYSIS REPORT

ISO

Machine Id

VILTER TYSEMP 12 VILTER

Component Refrigeration Compressor Fluid

USPI 1009-68 SC (--- GAL)

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high 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.

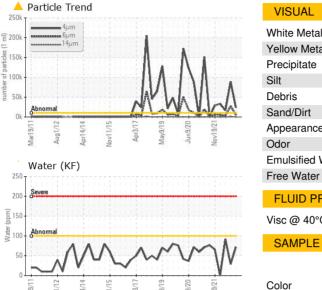
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012684	USP0000787	USP234820
Sample Date		Client Info		29 May 2024	08 Jul 2023	09 Sep 2022
Machine Age	hrs	Client Info		0	0	0
Dil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>8	1	<1	<1
Chromium	ppm	ASTM D5185m	>2	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	1	0	0
_ead	ppm	ASTM D5185m	>2	<1	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	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		<1	0	0
Vanganese	ppm	ASTM D5185m		0	0	0
Vagnesium	ppm	ASTM D5185m		<1	<1	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	0	3	10
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	0
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.01	0.007	0.003	0.009
opm Water	ppm	ASTM D6304	>100	72	28.9	91.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 23694	▲ 89406	6401
Particles >6µm		ASTM D7647	>2500	<mark> </mark> 4789	<u> </u>	3360
Particles >14µm		ASTM D7647		105	<u> </u>	137
Particles >21µm		ASTM D7647		12	<u> </u>	19
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u> </u>	<u> </u>	21/19/14
	TION					
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

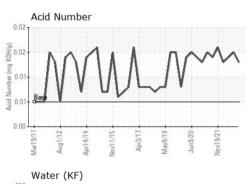
Report Id: IBPEMP01 [WUSCAR] 06198240 (Generated: 06/07/2024 21:36:02) Rev: 1

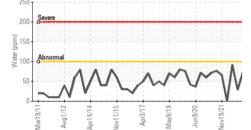


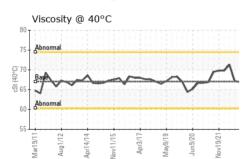
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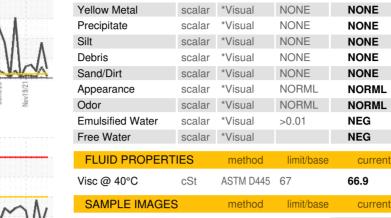
OIL ANALYSIS REPORT











scalar

method

*Visual

limit/base

NONE

current

NONE

history2 history1

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NEG

NEG

67.2

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

20 8

1406

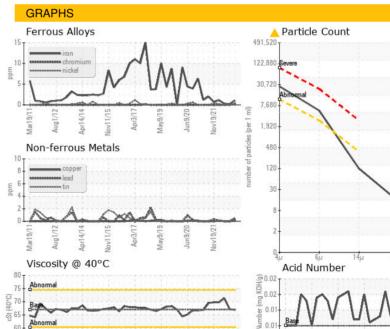
6661

NEG

NEG

71.3

Bottom



Jov19/21

: 03 Jun 2024

: 06 Jun 2024

: 06 Jun 2024 - Doug Bogart

109/20

or3/17 e 1/6/ve

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Tested

Pi 0.00 11/1 Ivu 0v19/7 nr14/1 Aar19/

Laboratory Sample No. Lab Number Unique Number : 11060363 Test Package : IND 2 Certificate 12367

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

: USP0012684

:06198240

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Mar19/1

* - 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: (620)343-3640 F: (620)340-1253

TYSON-Emporia-USP

Contact: SERVICE MANAGER

2101 West Sixth

Emporia, KS

US 66801

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Contact/Location: SERVICE MANAGER - IBPEMP01

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