

# **OIL ANALYSIS REPORT**

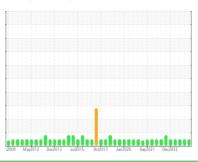
# Sample Rating Trend

# **NORMAL**

# Refrigeration Compressor VILTER TYSCJ 3VILT (S/N 15399)

**Refrigeration Compressor** 

USPI 1009-68 SC (--- QTS)





### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

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.

		r2009 May20	112 Dec2013 Jul2015	Oct2017 Jan2020 Sep2021 I	Jec2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0003594	USP249545	USP217360
Sample Date		Client Info		14 Nov 2023	26 Aug 2023	28 Jun 2023
Machine Age	hrs	Client Info		0	5011	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	9	4	12
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	0	<1	<1
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	<1	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	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
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		<1	0	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	17
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	0	0
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.01	0.002	0.001	0.003
ppm Water	ppm	ASTM D6304	>100	18	10.9	26.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		392	1039	4770
Particles >6μm		ASTM D7647	>2500	86	232	922
Particles >14μm		ASTM D7647	>320	5	44	32
Particles >21μm		ASTM D7647		3	19	4
Particles >38μm		ASTM D7647	>20	1	2	0
Particles >71μm		ASTM D7647		0	1	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	16/14/10	17/15/13	19/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.015	0.015	0.015



# **OIL ANALYSIS REPORT**





Certificate L2367

Lab Number

**Unique Number** Test Package : IND 2

: 06014069 Diagnosed : 24 Nov 2023 : 10753213 Diagnostician : Doug Bogart

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)

Columbus Junction, IA US 52738

Contact: THOMAS SCHREIBER thomas.schreiber@tyson.com

T: F: (319)753-6235

Contact/Location: THOMAS SCHREIBER - IBPCOL01