

OIL ANALYSIS REPORT

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Machine Id

VILTER C-15 (S/N 2628-62070)

Component Refrigeration Compressor

Fluid USPI 1009-68 SC (7 GAL)

DIAGNOSIS

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

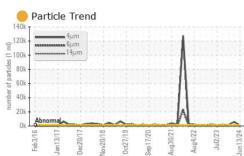
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

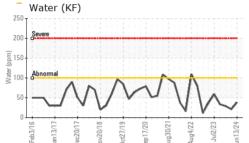
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0013306	USP0005959	USP0004607
Sample Date		Client Info		13 Jun 2024	24 Feb 2024	02 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	<1	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	0	1	0
Copper	ppm	ASTM D5185m	>8	<1	0	<1
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	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		<1	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	0
Sodium	ppm	ASTM D5185m		0	1	0
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Water	%	ASTM D6304	>0.01	0.003	0.002	0.003
ppm Water	ppm	ASTM D6304	>100	38	21	29
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	892	5 764	608
Particles >6µm		ASTM D7647	>160	<u> </u>	4 49	248
Particles >14µm		ASTM D7647	>40	4	8	23
Particles >21µm		ASTM D7647	>10	0	1	5
Particles >38µm		ASTM D7647	>3	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14/12	17/15/9	▲ 20/16/10	18/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.015

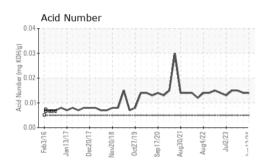
Contact/Location: MIKE DUNLAP - CARDAY Page 1 of 2

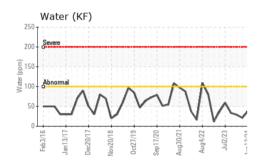


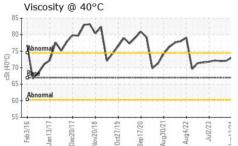
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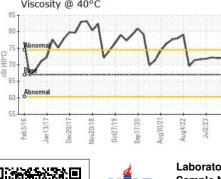


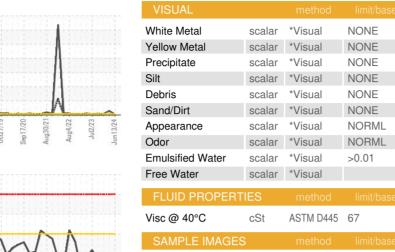












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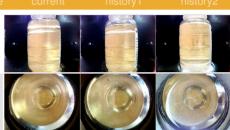
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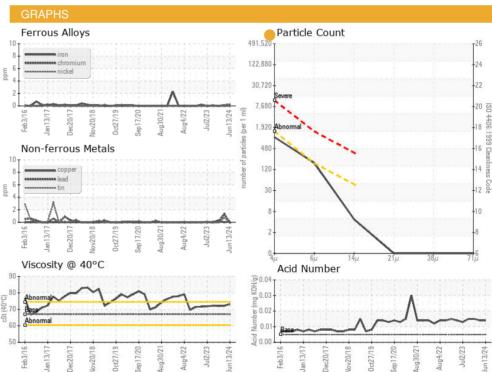
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Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 CARGILL Sample No. : USP0013306 Received : 14 Jun 2024 Lab Number :06210816 Tested : 19 Jun 2024 DAYTON, VA Unique Number : 11083680 Diagnosed : 19 Jun 2024 - Doug Bogart Test Package : IND 2 Contact: MIKE DUNLAP Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. mike_dunlap@cargill.com

* - 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) F: (540)879-2913

Report Id: CARDAY [WUSCAR] 06210816 (Generated: 06/22/2024 23:36:56) Rev: 1

Contact/Location: MIKE DUNLAP - CARDAY

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