

OIL ANALYSIS REPORT

NORMAL

Machine Id

VILTER HB-3 (S/N 2512756)

Component Refrigeration Compressor

USPI 1009-68 SC (--- 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.

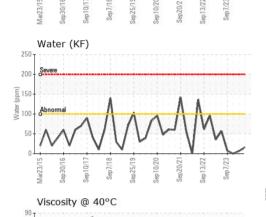


SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012603	USP0007376	USP0003903
Sample Date		Client Info		03 Jun 2024	06 Mar 2024	06 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
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		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
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		0	0	0
Sulfur	ppm	ASTM D5185m	50	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	0
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.01	0.001	0.001	0.001
ppm Water	ppm	ASTM D6304	>100	15	7	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	6482	4471	6027
Particles >6µm		ASTM D7647	>2500	902	899	1080
Particles >14µm		ASTM D7647	>320	31	22	29
Particles >21µm		ASTM D7647	>80	10	3	7
Particles >38µm		ASTM D7647	>20	4	0	0
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/12	19/17/12	20/17/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.014

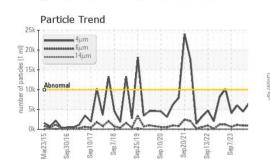


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GRAPHS Ferrous Alloys Particle Count 491 52 122,88 30,72 20 8 1406 Sep7 Der 1,920 Sen 1 6661 Non-ferrous Metals 480 10 120 30 ep10/ Mar23 Sep7/ Viscosity @ 40°C Acid Number 90 (B/HO.15 KOH/ 80 ₽0.10 Base Ê 0.05 Abnorma P 0.00 Sep 13/22 Sep 13/22 Sen7/23 Sep7/23 10/1 an 30/ Aar23

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **ARMOUR ECKRICH-MASON** Sample No. : USP0012603 Received : 04 Jun 2024 1401 S EISENHOWER AVE Lab Number : 06199285 Tested : 09 Jun 2024 MASON CITY, IA Unique Number : 11061408 Diagnosed : 09 Jun 2024 - Doug Bogart US 50401 Test Package : IND 2 Contact: Certificate 12367 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)

Report Id: ARMMASIA [WUSCAR] 06199285 (Generated: 06/09/2024 19:13:58) Rev: 1

Contact/Location: ? ? - ARMMASIA

Page 2 of 2

T:

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