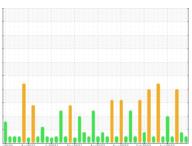


OIL ANALYSIS REPORT

Sample Rating Trend







RECYCLE NH3 OIL

Component

Refrigeration Compressor

USPI ALT-68 SC (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. CLEAN TANK $\ensuremath{\mathsf{A}}$

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.

20020 A _{res} 2021 Jus2021 Des2021 A _{res} 2022 A _{res} 2022 Feb2023 Jun2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP05903270	USP228599	USP233601
Sample Date		Client Info		17 Jul 2023	07 Jul 2023	23 Jun 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	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	3	3	<u> </u>
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>3	0	<1	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	<1
Zinc	ppm	ASTM D5185m		0	0	4
Sulfur	ppm	ASTM D5185m	50	2	6	73
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	4	4
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m		<1	<1	0
Water	%	ASTM D6304	>0.01	0.006	0.004	△ 0.071
ppm Water	ppm	ASTM D6304	>100	68.0	44.5	▲ 712.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9875	47657	231518
Particles >6µm		ASTM D7647	>2500	2234	<u>▲</u> 11729	<u>▲</u> 198168
Particles >14μm		ASTM D7647	>320	72	258	<u>▲</u> 57967
Particles >21µm		ASTM D7647	>80	12	29	▲ 8091
Particles >38μm		ASTM D7647	>20	0	0	3
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	20/18/13	<u>23/21/15</u>	▲ 25/25/23
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.005	0.014	0.014	0.103



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: USP05903270 : 05903270 : 10564626 : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jul 2023 : 21 Jul 2023

Diagnosed Diagnostician : Doug Bogart

Test Package 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)

TYSON-BERRYVILLE-USP

Contact/Location: MIKE CISCO - TYSBER01

110 WEST FREEMAN BERRYVILLE, AR US 72616

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T: (870)423-5556 F: (870)423-1602