

OIL ANALYSIS REPORT

Area **MISSION RANCHO** MISSION RANCHO C3 (S/N TDSH233S2587E)

Refrigeration Compressor

Fluic FRICK COMPRESSOR OIL #13 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

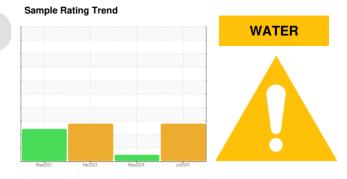
All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.



SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0012285	USP0011528	USP233713
Sample Date		Client Info		11 Jul 2024	08 May 2024	08 Feb 2023
Machine Age	hrs	Client Info		134107	33397	127708
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	4		4
Chromium	ppm	ASTM D5185m	>2	0		0
Nickel	ppm	ASTM D5185m		0		0
Titanium	ppm	ASTM D5185m		0		0
Silver	ppm	ASTM D5185m	>2	0		0
Aluminum	ppm	ASTM D5185m	>3	<1		0
Lead	ppm	ASTM D5185m	>2	0		0
Copper	ppm	ASTM D5185m	>8	0		0
Tin	ppm	ASTM D5185m	>4	<1		<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0		0
Cadmium	ppm	ASTM D5185m		0		0
ADDITIVES	1.1.1.1	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	in in base	0		0
Barium	ppm	ASTM D5185m		0		0
Molybdenum	ppm	ASTM D5185m		0		0
Manganese	ppm	ASTM D5185m		0		0
Magnesium	ppm	ASTM D5185m		0		<1
Calcium	ppm	ASTM D5185m		0		<1
Phosphorus	ppm	ASTM D5185m		0		0
Zinc	ppm	ASTM D5185m		0		0
Sulfur	ppm	ASTM D5185m		0		11
			lineit/le e e e	-		
CONTAMINANTS Silicon			limit/base	current	history1	history2
Sodium	ppm	ASTM D5185m ASTM D5185m	>15	<1		0
	ppm		. 00	0		
Potassium	ppm	ASTM D5185m ASTM D6304	>20	<1		<1
Water	%			▲ 0.039		0.050
ppm Water	ppm	ASTM D6304	>100	▲ 393		-
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	5093		▲ 10073
Particles >6µm		ASTM D7647		<u> </u>		▲ 1672
Particles >14µm		ASTM D7647		64		29
Particles >21µm		ASTM D7647		12		4
Particles >38µm		ASTM D7647	>4	0		0
Particles >71µm		ASTM D7647		0		0
Oil Cleanliness		ISO 4406 (c)	>18/15/13	A 20/17/13		<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D974		0.014		0.016

Acid Number (AN)

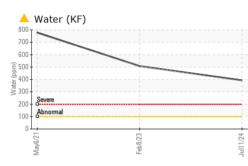
Report Id: RACGAR [WUSCAR] 06235000 (Generated: 07/15/2024 22:06:24) Rev: 1

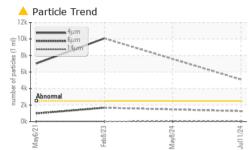
mg KOH/g ASTM D974

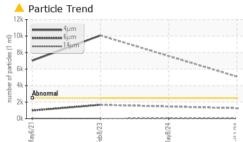
0.014 0.016 Contact/Location: TODD CARTER - RACGAR

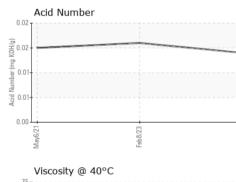


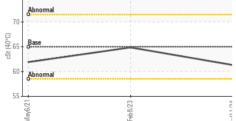
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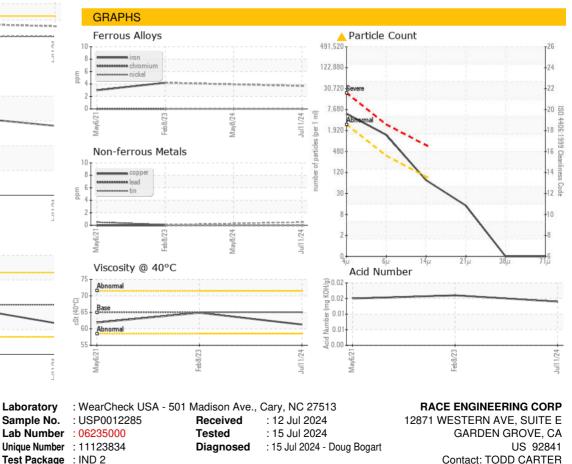








Bottom



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)

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Certificate 12367

Contact/Location: TODD CARTER - RACGAR

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