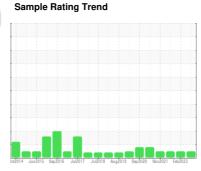


OIL ANALYSIS REPORT

ENGINE ROOM B-3 (S/N 2055G)

Refrigeration Compressor

FRICK COMPRESSOR OIL #11 (--- GAL)





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.

SAMPLE INFORMATION Sample Number	method	limit/base	current	history1	history2
Sample Number			USP246271	USP240559	USP238138
Sample Date	Client Info		21 Aug 2023	13 Feb 2023	11 Jul 2022
Machine Age hrs	Client Info		0 Aug 2023	0	0
Oil Age hrs	Client Info		0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status	Olletti Ittio		NORMAL	NORMAL	NORMAL
		11 11 11			
WEAR METALS	method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m	>8	2	2	<1
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	<1
Lead ppm	ASTM D5185m	>2	0	<1	0
Copper ppm	ASTM D5185m	>8	<1	0	<1
Tin ppm	ASTM D5185m	>4	<1	0	0
Antimony ppm	ASTM D5185m				
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	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		0	0	<1
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m	>15	<1	1	1
Sodium ppm	ASTM D5185m		2	0	0
Potassium ppm	ASTM D5185m	>20	0	0	<1
Water %	ASTM D6304	>0.01	0.001	0.001	0.003
ppm Water ppm	ASTM D6304	>100	0.00	5.1	37.7
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	2655	1555	4631
Particles >6µm	ASTM D7647	>2500	626	130	744
Particles >14μm	ASTM D7647	>320	27	5	22
Particles >21µm	ASTM D7647	>80	7	1	5
Particles >38μm	ASTM D7647	>20	0	0	0
Particles >71µm	ASTM D7647	>4	0	0	0
		004045	10/16/10	18/14/10	19/17/12
Oil Cleanliness	ISO 4406 (c)	>20/18/15	19/16/12	10/14/10	13/11/12

Acid Number (AN)

mg KOH/g ASTM D974

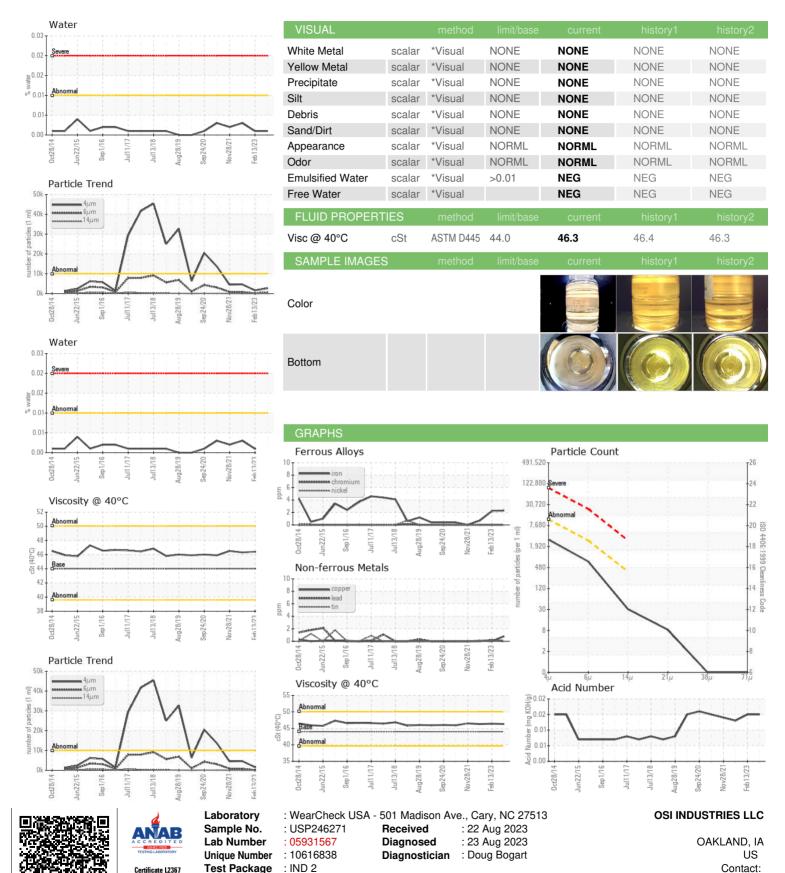
0.015

0.015

0.013



OIL ANALYSIS REPORT



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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