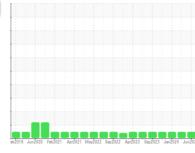


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FGC-1
Component
Compressor
Fluid
Inot provided (----

{not provided} (--- 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.

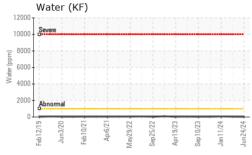
Fluid Condition

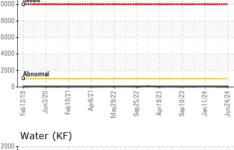
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0043295	RP0043306	RP0038816
Sample Date		Client Info		24 Jun 2024	31 Mar 2024	11 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
_ead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	0	0	0
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	6
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1	1	0
Calcium	ppm	ASTM D5185m		<1	2	0
Phosphorus		ASTM D5185m		3	<1	14
	ppm	ASTM D5185m		0	0	0
	• •		limit/base			0 history2
Zinc	• •	ASTM D5185m	limit/base	0	0	
Zinc CONTAMINANTS Silicon	ppm	ASTM D5185m method		o current	0 history1	history2
Zinc CONTAMINANTS Silicon Sodium	ppm ppm	ASTM D5185m method ASTM D5185m		current	0 history1 8	history2 7
Zinc CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	>25 >20	current	0 history1 8	history2 7 <1
Zinc CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1	0 current 11 2 1	0 history1 8 1 2	history2 7 <1 0
Zinc	ppm ppm ppm ppm ppm	Method ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>25 >20 >0.1	0 current 11 2 1 0.002 22	0 history1 8 1 2 0.003	history2 7 <1 0 0.006
Zinc CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>25 >20 >0.1 >1000	0 current 11 2 1 0.002 22	0 history1 8 1 2 0.003 34	history2 7 <1 0 0.006 62
Zinc CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA	ppm ppm ppm ppm ppm ppm TION	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>25 >20 >0.1 >1000	0 current 11 2 1 0.002 22 current	0 history1 8 1 2 0.003 34 history1	history2 7 <1 0 0.006 62 history2
Zinc CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN) VISUAL	ppm ppm ppm ppm ppm ppm TION	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D6304 ASTM D8045	>25 >20 >0.1 >1000 limit/base	0 current 11 2 1 0.002 22 current 0.046	0 history1 8 1 2 0.003 34 history1 0.056	history2 7 <1 0 0.006 62 history2 0.07
Zinc CONTAMINANTS Silicon Sodium Potassium Water Dpm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal	ppm ppm ppm ppm ppm % ppm TION	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method	>25 >20 >0.1 >1000 limit/base	0 current 11 2 1 0.002 22 current 0.046 current	0 history1 8 1 2 0.003 34 history1 0.056	history2 7 <1 0 0.006 62 history2 0.07
Zinc CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm young KOHig	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method *Visual	>25 >20 >0.1 >1000 limit/base limit/base	0 current 11 2 1 0.002 22 current 0.046 current NONE	0 history1 8 1 2 0.003 34 history1 0.056 history1 NONE	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE
Zinc CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm % ppm TION mg KOH/g	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method *Visual *Visual	>25 >20 >0.1 >1000 limit/base limit/base NONE NONE	0	0 history1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE
Zinc CONTAMINANTS Silicon Sodium Potassium Water DPM Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm % ppm TION mg KOH/g scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method *Visual *Visual *Visual	>25 >20 >0.1 >1000 limit/base NONE NONE NONE	0	0 history1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE
Zinc CONTAMINANTS Silicon Sodium Potassium Nater Depm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm % ppm % ppm TION mg KOH/g scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D8045 method *Visual *Visual *Visual *Visual	>25 >20 >0.1 >1000 limit/base NONE NONE NONE NONE	0	0 history1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE NONE NONE	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE NONE NONE
Zinc CONTAMINANTS Silicon Sodium Potassium Water Dpm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm % ppm TION mg KOH/g scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D8045 method *Visual *Visual *Visual *Visual *Visual *Visual	>25 >20 >0.1 >1000 limit/base NONE NONE NONE NONE NONE NONE	current 11 2 1 0.002 22 current 0.046 current NONE NONE NONE NONE LIGHT	0 history1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE NONE NONE NONE	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE NONE NONE LIGHT
Zinc CONTAMINANTS Silicon Sodium Potassium Water opm Water FLUID DEGRADA Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm % ppm TION mg KOHig scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 Method ASTM D8045 method *Visual *Visual	>25 >20 >0.1 >1000 limit/base NONE NONE NONE NONE NONE NONE NONE NON	0 current 11 2 1 0.002 22 current 0.046 current NONE NONE NONE NONE LIGHT NONE	nistory1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE NONE NONE NONE LIGHT NONE NORML
Zinc CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID DEGRADA Acid Number (AN)	ppm ppm ppm ppm % ppm TION mg KOH/g scalar scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D8045 method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>25 >20 >0.1 >1000 limit/base NONE NONE NONE NONE NONE NONE NONE NON	0 current 11 2 1 0.002 22 current 0.046 current NONE NONE NONE NONE NONE LIGHT NONE NORML	nistory1 8 1 2 0.003 34 history1 0.056 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 7 <1 0 0.006 62 history2 0.07 history2 NONE NONE NONE NONE LIGHT NONE

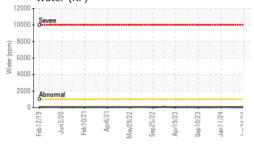


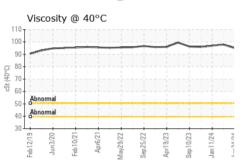
OIL ANALYSIS REPORT



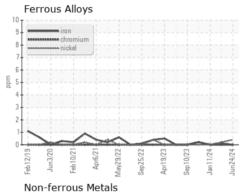


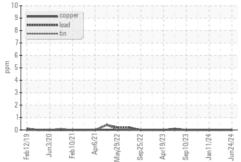


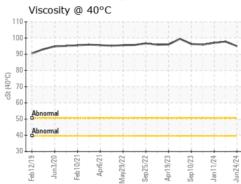


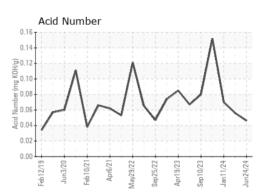


GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06219774

: RP0043295 Unique Number : 11097971 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 26 Jun 2024

Diagnosed : 26 Jun 2024 - Don Baldridge

BOSTON, MA US 02215 Contact: ROBERT ST SAUVEUR robert.stsauveur@engie.com

474 BROOKLINE AVE

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)

F:

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