

# **OIL ANALYSIS REPORT**

Area 9200 COOLING TOWER COOLING TOWER FAN C (B9201C)

Gearbox

Fluid HPL COMPRESSOR LIFE 220 (14 GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

## Wear

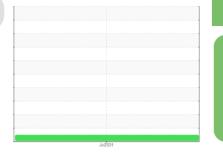
All component wear rates are normal.

#### 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 Rating Trend

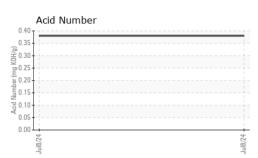


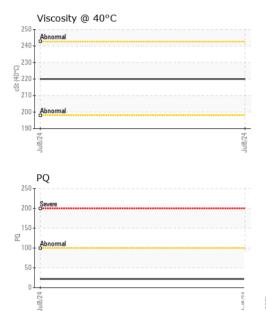
NORMAL

SAMPLE INFORM	<b>/</b> IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0961011		
Sample Date		Client Info		08 Jul 2024		
Machine Age	yrs	Client Info		10		
Oil Age	yrs	Client Info		2		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		22		
Iron	ppm	ASTM D5185m	>200	2		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	<1		
Tin	ppm	ASTM D5185m	>25	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		29		
Phosphorus	ppm	ASTM D5185m		79		
Zinc	ppm	ASTM D5185m		159		
Sulfur	ppm	ASTM D5185m		24465		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<1		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.38		



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		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		220		
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
					,	···· ,
Color					no image	no image
					ne mage	no inago
Dettere						
Bottom					no image	no image
GRAPHS						
Ferrous Alloys			220	PQ		
iron			220	Smarn		
- nickel			200	- 0		
			180			
			160			
			140			
Jul8/24			120 Jul8/24			
7			ੂ ਟ 100	Abnormal		
Non-ferrous Metals	5					
copper			80	1		
tin			60			
			40	-		
2						
Jul8/24			Jul8/24	Jul8/24 -		
Viscosity @ 40°C			-			-
			<u></u> 0.40	Acid Number		
1			HOX 0.30			
]+			E 0.20			
•			a o.zo			
Abnormal			0.40 0.30 0.30 0.20 Vmmpe 0.10 Vmmpe Vmmpe			
			Jul8/24	Jul8/24		5
Jul8/24				10		

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)

Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package

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