

OIL ANALYSIS REPORT

Sample Rating Trend





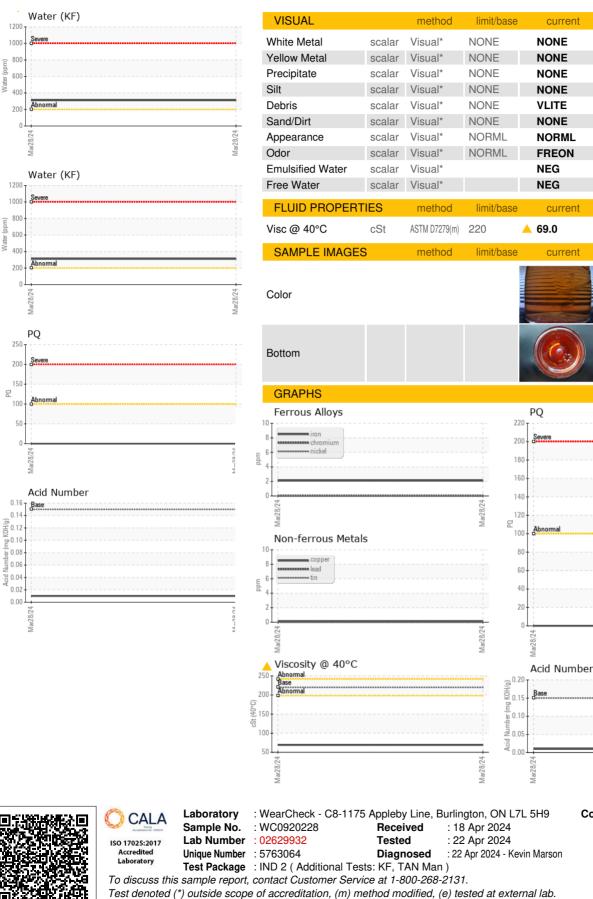
CARRIER HK #2A Component Screw Compressor

CASTROL ICEMATIC SW 220 (--- GAL)

DIAGNOSIS	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0920228		
Resample at the next service interval to monitor.	Sample Date		Client Info		28 Mar 2024		
Wear	Machine Age	hrs	Client Info		0		
All component wear rates are normal.	Oil Age	hrs	Client Info		0		
Contamination	Oil Changed		Client Info		N/A		
The water content is negligible. There is no indication of any contamination in the oil.	Sample Status				ABNORMAL		
	WEAR METALS		method	limit/base	current	history1	history2
Fluid Condition Viscosity of sample indicates oil is within ISO 68 range, advise investigate. The condition of the oil is acceptable for the time in service.	PQ		ASTM D8184*		0		
	Iron	ppm	ASTM D5185(m)	>60	2		
	Chromium	ppm	ASTM D5185(m)		0		
	Nickel	ppm	ASTM D5185(m)		0		
	Titanium	ppm	ASTM D5185(m)		0		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)	>5	0		
	Lead	ppm	ASTM D5185(m)	>10	0		
	Copper	ppm	ASTM D5185(m)		<1		
	Tin	ppm	ASTM D5185(m)	>15	0		
	Antimony	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
	Beryllium	ppm	ASTM D5185(m)		0		
	Cadmium	ppm	ASTM D5185(m)		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)	1	1		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)		0		
	Manganese	ppm	ASTM D5185(m)		0		
	Magnesium	ppm	ASTM D5185(m)		0		
	Calcium	ppm	ASTM D5185(m)	0	0		
	Phosphorus	ppm	ASTM D5185(m)		11		
	Zinc	ppm	ASTM D5185(m)		<1		
	Sulfur	ppm	ASTM D5185(m)		11		
	Lithium	ppm	ASTM D5185(m)		<1		
	CONTAMINANTS	5	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>50	1		
	Sodium	ppm	ASTM D5185(m)		<1		
	Potassium	ppm	ASTM D5185(m)	>20	<1		
	Water	%	ASTM D6304*		0.031		
	ppm Water	ppm	ASTM D6304*	>200	311		
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*	0.15	0.01		



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Validity of results and interpretation are based on the sample and information as supplied.

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Contact/Location: Karl Wiebe - CON555MIL

history1

history

history1

no image

no image

history2

history

history2

no image

no imade