

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CARNOT #1 (S/N 500382-A)

Reciprocating Compressor

BITZER BSE 85K (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The water content is negligible. 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.

				Mar2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0912827		
Sample Date		Client Info		24 Mar 2024		
Machine Age	yrs	Client Info		7		
Oil Age	yrs	Client Info		7		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>50	27		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>50	11		
Tin	ppm	ASTM D5185(m)	>15	<1		
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)	0	<1		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	0	0		
Phosphorus	ppm	ASTM D5185(m)	1200	938		
Zinc	ppm	ASTM D5185(m)	0	35		
Sulfur	ppm	ASTM D5185(m)	0	3		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.015	0.029		
ppm Water	ppm	ASTM D6304*	>150	295		
FLUID DEGRADA	ATION_	method	limit/base	current	history1	history2

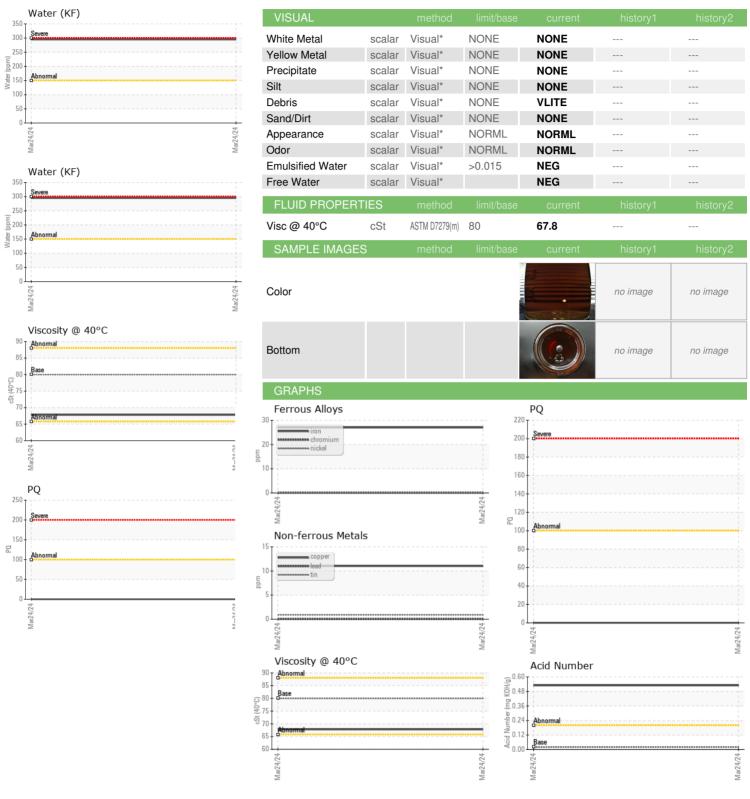
Acid Number (AN)

mg KOH/g ASTM D974* 0.02

0.53



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0912827 Lab Number : 02628189 Unique Number : 5761321

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 11 Apr 2024 Tested : 15 Apr 2024 Diagnosed

: 15 Apr 2024 - Kevin Marson

Test Package : IND 2 (Additional Tests: KF) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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