

PROBLEM SUMMARY

Sample Rating Trend

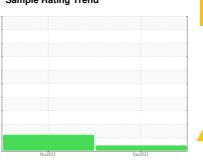
VISCOSITY



[MEK] MEKU-C-0002A COMPRESSOR, VACUUM, "A", NORTH

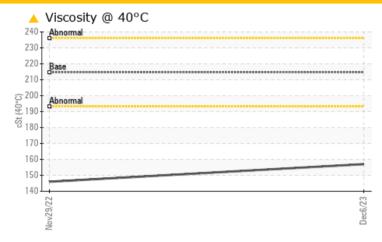
Compressor

BELRAY Turbine Oil 220 (--- QTS)





COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ATTENTION	ABNORMAL			
Visc @ 40°C	cSt	ASTM D445	214.7	△ 157	146			

Customer Id: CALSHR Sample No.: RP0038979 Lab Number: 06029469 Test Package: IND 2 To manage this report scan the QR code To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

29 Nov 2022 Diag: Doug Bogart

ISO



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

VISCOSITY



history2

MEK [MEK] MEKU-C-0002A COMPRESSOR, VACUUM, "A", NORTH

Compressor

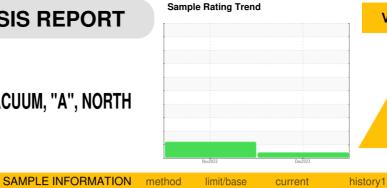
BELRAY Turbine Oil 220 (--- QTS)

DIAGNOSIS

Recommendation

Contamination

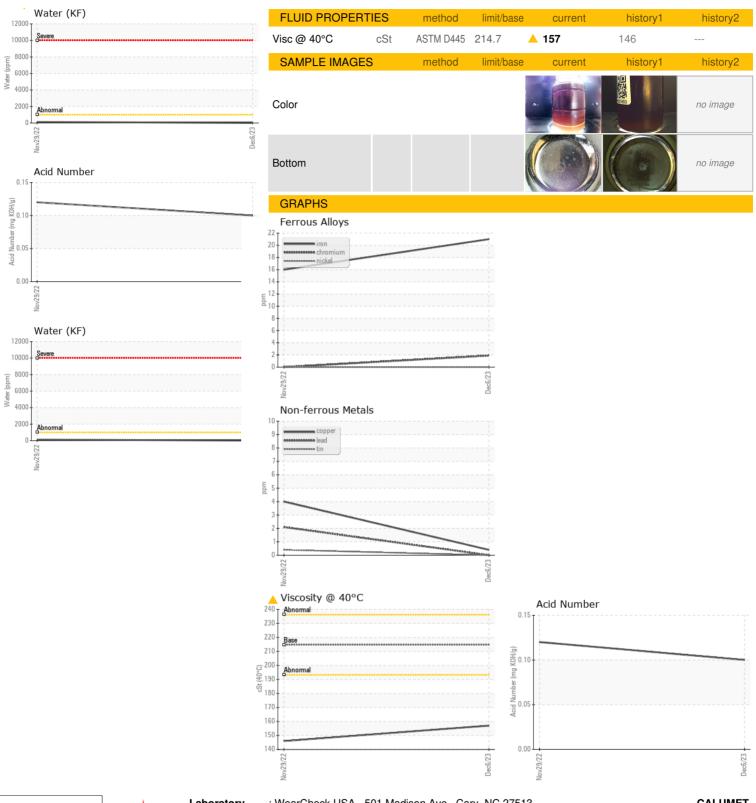
Fluid Condition



▲ Recommendation	Sample Number		Client Info		RP0038979	RP0031653	
Resample at the next service interval to monitor.	Sample Date		Client Info		06 Dec 2023	29 Nov 2022	
Wear	Machine Age	hrs	Client Info		0	0	
All component wear rates are normal.	Oil Age	hrs	Client Info		0	0	
·	Oil Changed		Client Info		Not Changd	Not Changd	
Contamination There is no indication of any contamination in the	Sample Status				ATTENTION	ABNORMAL	
oil.							
Fluid Condition	WEAR METALS		method	limit/base	current	history1	history2
Viscosity of sample indicates oil is within ISO 150	Iron	ppm	ASTM D5185m	>50	21	16	
range, advise investigate. Confirm oil type. The AN	Chromium	ppm	ASTM D5185m	>10	2	0	
level is acceptable for this fluid.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	<1	0	
	Lead	ppm	ASTM D5185m	>25	0	2	
	Copper	ppm	ASTM D5185m		<1	4	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	Cadmium	ppm	ASTM D5185m		0	0	
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		0	1	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		1	2	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		3	11	
	Calcium	ppm	ASTM D5185m		13	25	
	Phosphorus	ppm	ASTM D5185m		13	88	
	Zinc	ppm	ASTM D5185m		0	17	
	CONTAMINANTS	3	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	17	10	
	Sodium	ppm	ASTM D5185m		1	0	
	Potassium	ppm	ASTM D5185m	>20	<1	<1	
	Water	%	ASTM D6304	>0.1	0.002	0.011	
	ppm Water	ppm	ASTM D6304	>1000	16	119.9	
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.10	0.12	
	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	LIGHT	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Report Id: CALSHR [WUSCAR] 06029469 (Generated: 12/12/2023 15 Free Water			*Visual		NEG	ubm htec By: Co	DDY GOMPTON



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number Test Package : IND 2

: RP0038979 : 06029469 Unique Number : 10779260

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Dec 2023 : 12 Dec 2023 Diagnosed Diagnostician : Don Baldridge

CALUMET 3333 MIDWAY AVENUE SHREVEPORT, LA US 71109 Contact: NICHOLAS LESAGE

nicholas.lesage@clmt.com

* - 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) T:

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