

# **OIL ANALYSIS REPORT**

# **CDW** [CDW] CDW-C-0011 COMPRESSOR, DDD, WEST

Compressor

**BELRAY Turbine Oil 150 (--- QTS)** 

Sample Rating Trend



### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

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

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0038980	RP0034822	RP0031619
Sample Date		Client Info		06 Dec 2023	19 Jul 2023	05 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	202	ASTM D5185m	>50	5	3	4
Chromium	ppm	ASTM D5185m		ა <1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
	ppm	ASTM D5185m		0		0
Titanium	ppm			-	<1	
Silver	ppm	ASTM D5185m	0.5	0	0	0
Aluminum	ppm	ASTM D5185m		<1	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	1
Copper	ppm	ASTM D5185m		16	15	11
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	2	2
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		11	11	6
Calcium	ppm	ASTM D5185m		37	37	30
Phosphorus	ppm	ASTM D5185m		24	38	27
Zinc	ppm	ASTM D5185m		0	15	6
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	8	7
Sodium	ppm	ASTM D5185m		4	4	0
Potassium	ppm	ASTM D5185m	>20	2	0	3
Water	%	ASTM D6304	>0.1	0.002	0.002	0.002
ppm Water	ppm	ASTM D6304	>1000	16	21.7	24.5
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.08	0.09	0.08
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

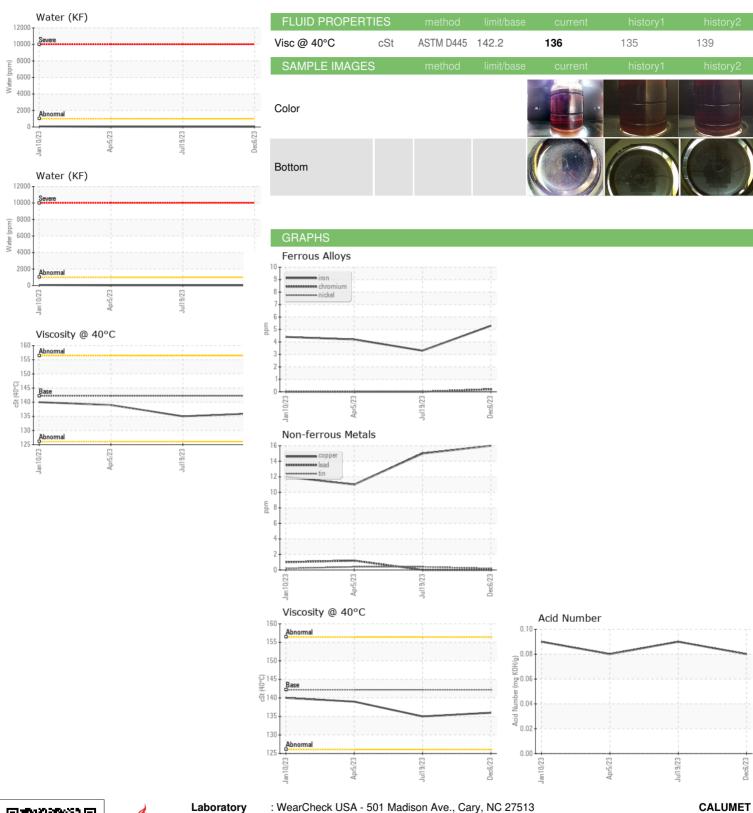
ubmitte & By: CODY QOMPTON

NEG

scalar \*Visual



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** Test Package : IND 2

: RP0038980 : 06029472

Received : 10779263

Diagnosed Diagnostician : Don Baldridge

: 08 Dec 2023 : 12 Dec 2023

**CALUMET** 3333 MIDWAY AVENUE SHREVEPORT, LA US 71109

Contact: NICHOLAS LESAGE nicholas.lesage@clmt.com T:

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)

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