



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**BOWERMAN - ORANGE COUNTY CA**

Machine Id  
**BOW-281-2**

Component  
**Refrigeration Compressor**

Fluid  
**VILTER PAO (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

Elemental level of silicon (Si) above normal.

## FLUID CONDITION

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

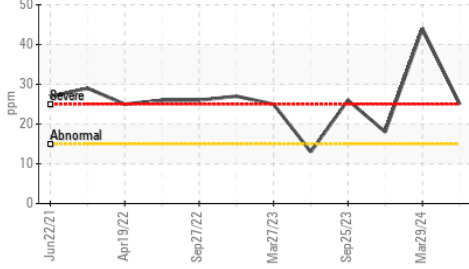
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0848221</b>	WC0848212	WC0848291
Sample Date		Client Info		<b>25 Jun 2024</b>	29 Mar 2024	09 Jan 2024
Machine Age	hrs	Client Info		<b>68954</b>	66937	65034
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Changed</b>	Not Changd	N/A
Sample Status				<b>ABNORMAL</b>	SEVERE	MARGINAL

Iron	ppm	ASTM D5185m	>8	<b>0</b>	<1	<1
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>3	<b>0</b>	2	2
Lead	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>8	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

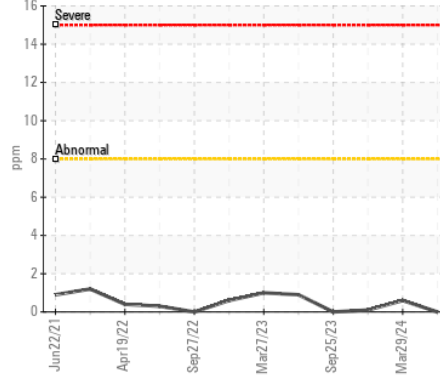
Silicon	ppm	ASTM D5185m	>15	<b>▲ 25</b>	▲ 44	▲ 18
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.01	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>2</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>0</b>	3	0
Phosphorus	ppm	ASTM D5185m		<b>&lt;1</b>	0	20
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>707</b>	795	467
Acid Number (AN)	mg KOH/g	ASTM D974		<b>0.85</b>	0.51	0.53
Visc @ 40°C	cSt	ASTM D445		<b>122</b>	120	115

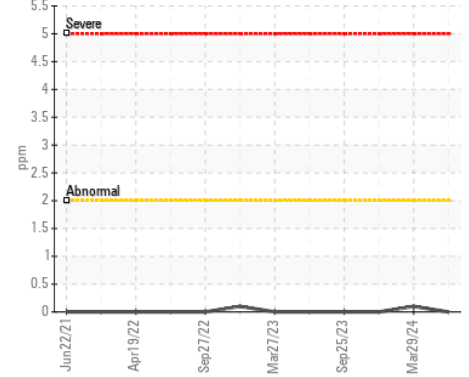
▲ Silicon (ppm)



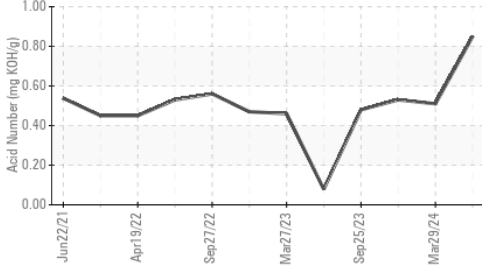
Iron (ppm)



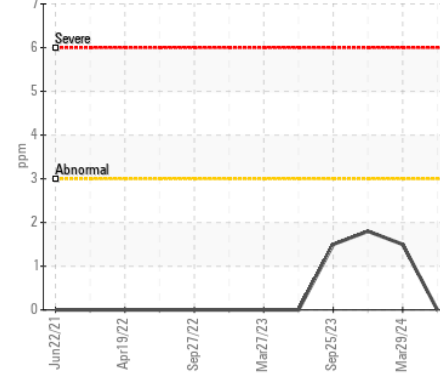
Lead (ppm)



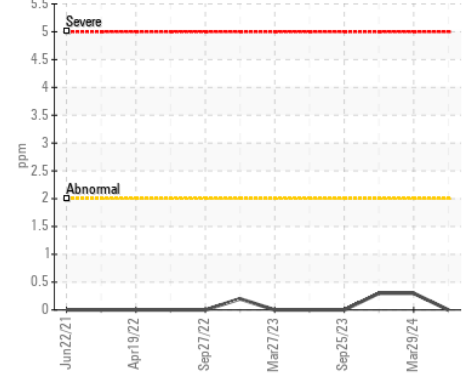
Acid Number



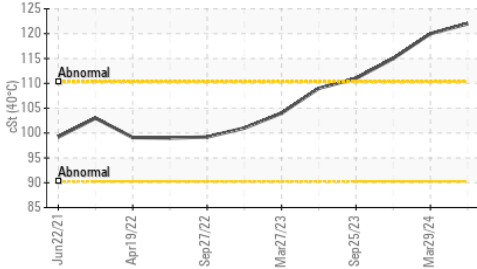
Aluminum (ppm)



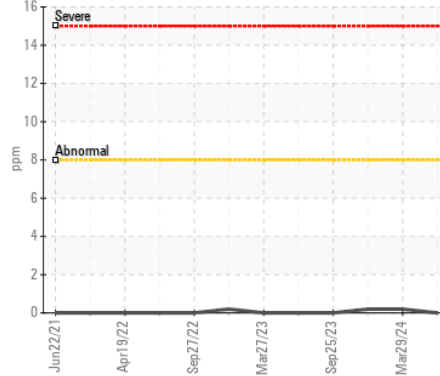
Chromium (ppm)



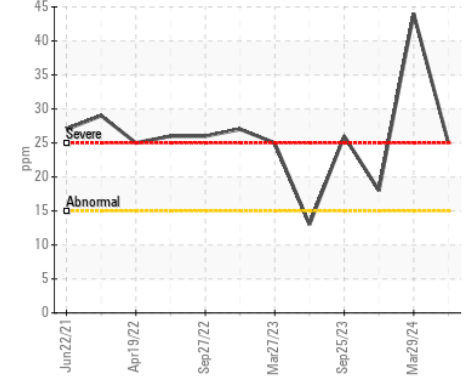
Viscosity @ 40°C



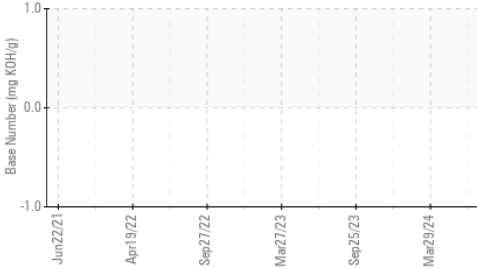
Copper (ppm)



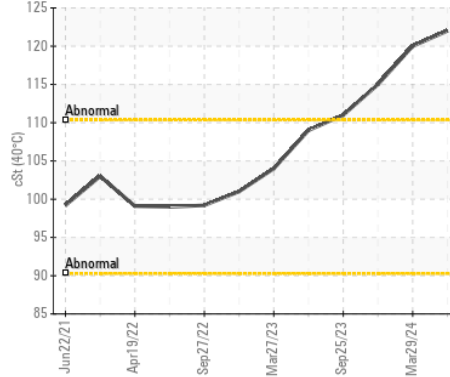
▲ Silicon (ppm)



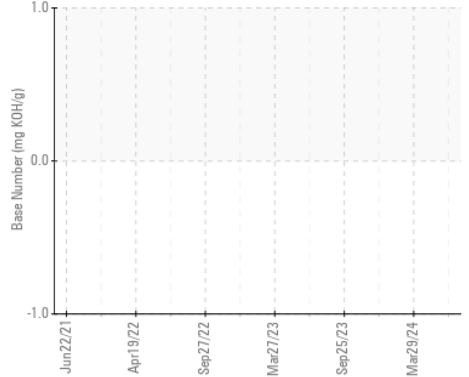
Base Number



Viscosity @ 40°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0848221

Lab Number : 06222871

Unique Number : 11101068

Test Package : MOB 2 ( Additional Tests: TBN )

Received : 27 Jun 2024

Tested : 01 Jul 2024

Diagnosed : 01 Jul 2024 - Jonathan Hester

MONTAUK ENERGY CAPITAL LLC (TEXAS) LP

1412 N SAM HOUSTON PKWY E, SUITE 100

HOUSTON, TX

US 77032

Contact: DAMON MCCLENAN

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T: (713)781-1126

F: (713)781-1127

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)