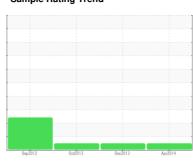


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# UN050547

Component

Compressor

VACDEL MF 20 (--- GAL)

### DIAGNOSIS

# Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal. The wear metal levels do not reflect the reported failure.

# Contamination

There is no indication of any contamination in the component.

# **Fluid Condition**

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

		Sep 201;	2 Oct2013	Dec2013 A	or2014	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WCI2236532	WCI2238810	WC03430314
Sample Date		Client Info		18 Apr 2014	19 Dec 2013	24 Oct 2013
Machine Age	hrs	Client Info		26294	0	25328
Oil Age	hrs	Client Info		165	0	1944
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	8	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	6	8
Tin	ppm	ASTM D5185m	>15	0	0	3
Antimony	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		<1	0	0
Calcium	ppm	ASTM D5185m		80	20	<1
Phosphorus	ppm	ASTM D5185m		347	244	240
Zinc	ppm	ASTM D5185m		414	226	156
Sulfur	ppm	ASTM D5185m		1492	3727	3786
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	17	25
Sodium	ppm	ASTM D5185m		1	6	8
Potassium	ppm	ASTM D5185m	>20	0	4	4
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

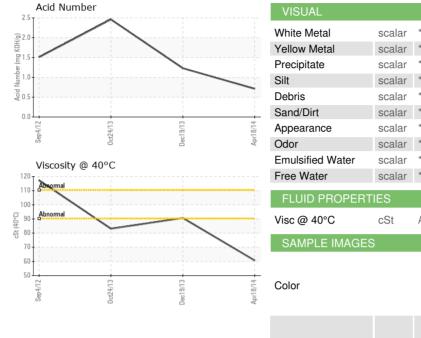
1.23

0.711

2.46



# **OIL ANALYSIS REPORT**

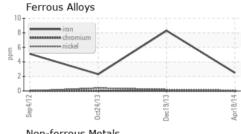


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IFS.	method	limit/hase	current	history1	history2

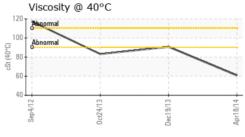
0.5					
Visc @ 40°C	cSt	ASTM D445	60.67	90.69	83.1

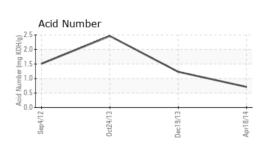
SAIVIFLE IIVIAGES	memou	IIIIII/Dase	Current	HISTORY	HISTOLYZ
Color			no image	no image	no image
Bottom			no image	no image	no image
ODADUO					

# **GRAPHS**



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Contact/Location: DAVID JENSEN - PRIFAR





Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 6597383

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WCI2236532 : 03489522

Test Package : IND 2

Received : 21 Apr 2014 Diagnosed : 22 Apr 2014

Diagnostician : Doug Bogart

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)

**PRINSCO - FARGO** 

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Contact: DAVID JENSEN davidj@prinsco.com

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