



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**GARDNER DENVER S054480 - CHAMPION HOMES**

Component  
**Compressor**

Fluid  
**QUINCY QUINSYN (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO50001869</b>	QUC0000270	---
Sample Date		Client Info		<b>23 Jan 2024</b>	20 Jan 2023	---
Machine Age	hrs	Client Info		<b>315</b>	1385	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

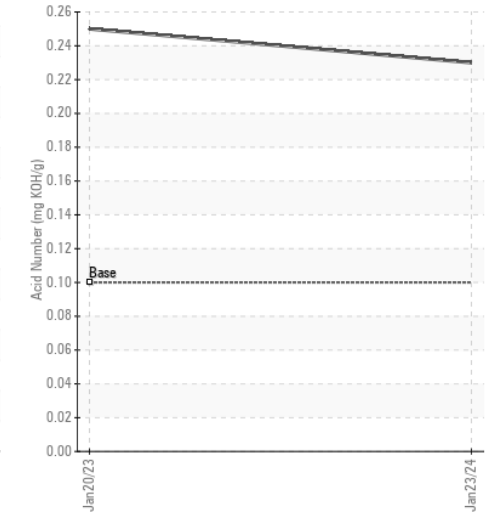
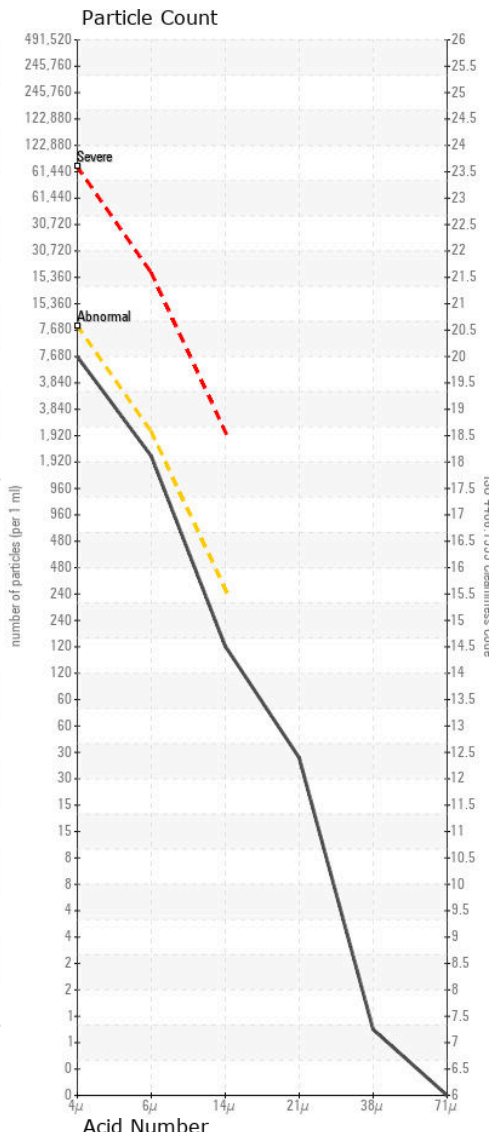
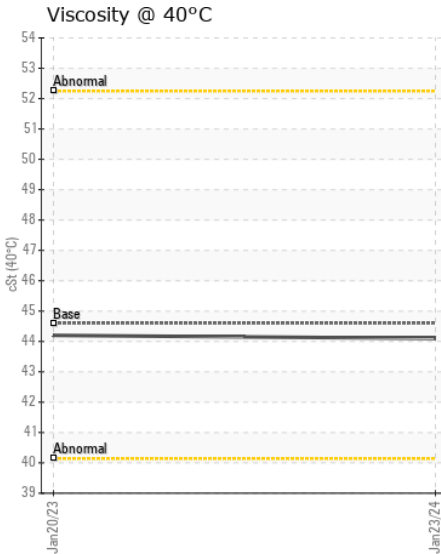
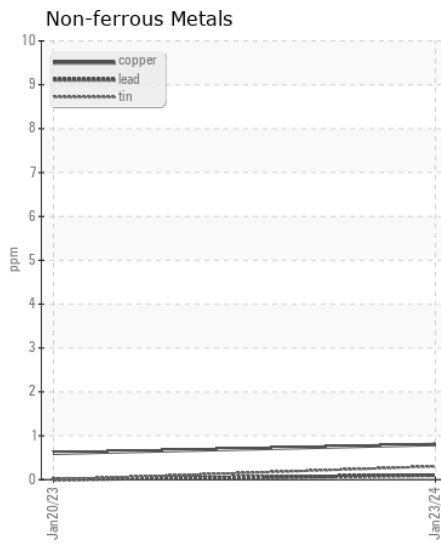
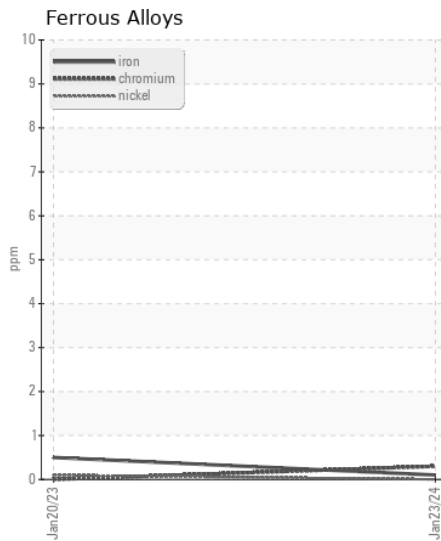
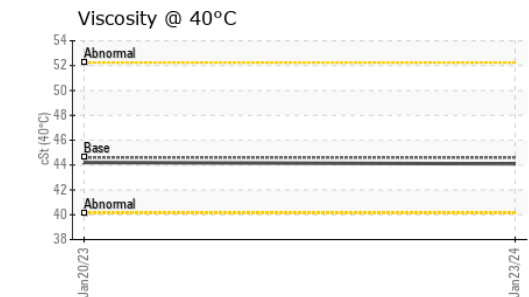
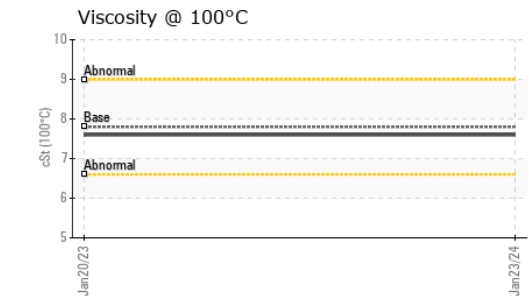
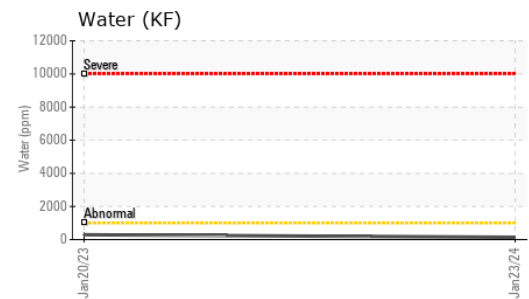
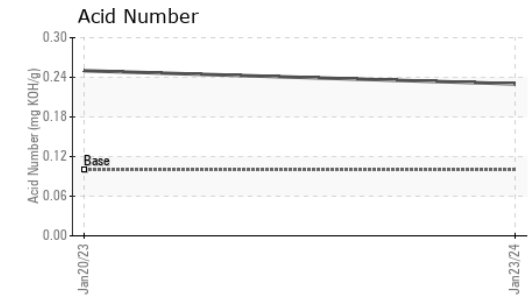
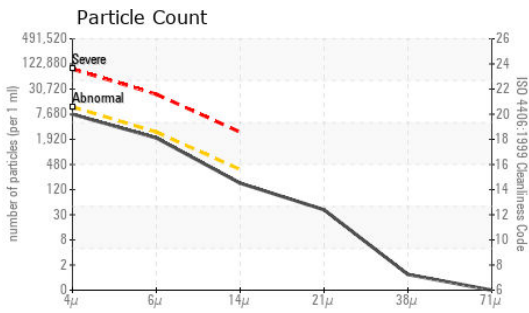
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>1</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	---
Water	%	ASTM D6304	>0.1	<b>0.013</b>	0.029	---
ppm Water	ppm	ASTM D6304	>1000	<b>139</b>	291.9	---
Particles >4µm		ASTM D7647	>10000	<b>6676</b>	4876	---
Particles >6µm		ASTM D7647	>2500	<b>1816</b>	1188	---
Particles >14µm		ASTM D7647	>320	<b>151</b>	65	---
Particles >21µm		ASTM D7647	>80	<b>35</b>	18	---
Particles >38µm		ASTM D7647	>20	<b>1</b>	1	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>20/18/14</b>	19/17/13	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>14</b>	23	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m		<b>3</b>	7	---
Phosphorus	ppm	ASTM D5185m		<b>71</b>	135	---
Zinc	ppm	ASTM D5185m		<b>102</b>	128	---
Sulfur	ppm	ASTM D5185m		<b>1201</b>	1197	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	<b>0.23</b>	0.25	---
Visc @ 40°C	cSt	ASTM D445	44.6	<b>44.1</b>	44.2	---
Visc @ 100°C	cSt	ASTM D445	7.8	<b>7.6</b>	7.6	---
Viscosity Index (VI)	Scale	ASTM D2270	132	<b>140</b>	139	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO50001869 **Received** : 30 Jan 2024  
**Lab Number** : 06074707 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10856798 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**QUALITY COMPRESSOR**  
 4428 CR 616  
 ALVARADO, TX  
 US 76009  
 Contact: SEAN  
 SEAN@QCOMPRESSOR.COM  
 T: (817)822-1333  
 F:

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)