IND II WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ROCTEL XAC005
Component
Screw Compressor
Fluid
RENOLIN AIR 9046 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

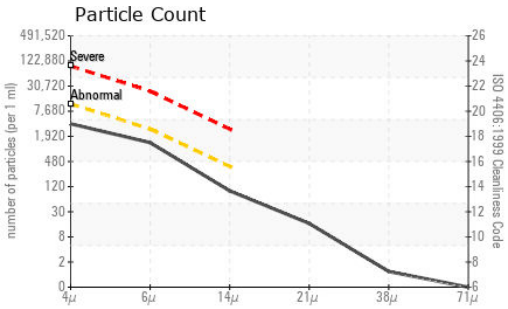
CONTAMINATION

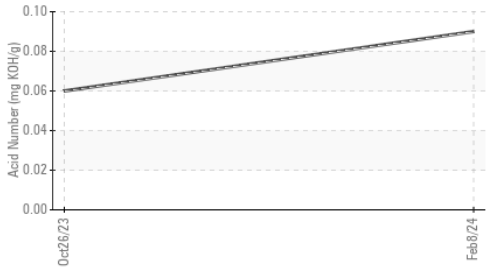
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

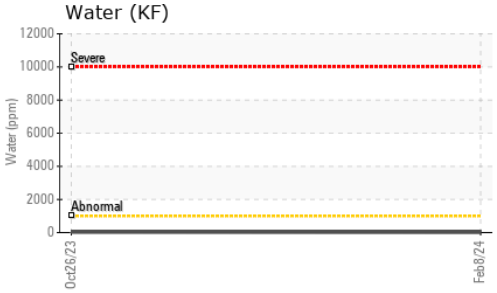
FLUID CONDITION

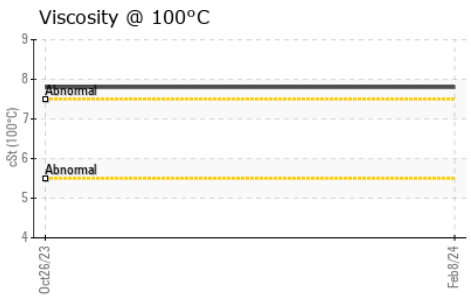
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

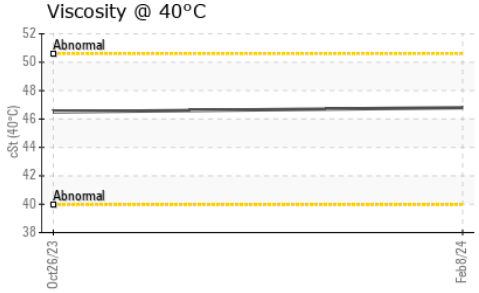
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0879027	WC0879026	---
Sample Date		Client Info		08 Feb 2024	26 Oct 2023	---
Machine Age	hrs	Client Info		92239	0	---
Oil Age	hrs	Client Info		3009	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>60	0	0	---
Chromium	ppm	ASTM D5185(m)	>4	0	0	---
Nickel	ppm	ASTM D5185(m)		0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Copper	ppm	ASTM D5185(m)	>30	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>50	<1	0	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Water	%	ASTM D6304*	>0.1	0.002	0.003	---
ppm Water	ppm	ASTM D6304*	>1000	18	28.5	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		3.6	3.7	---
Sulfation	Abs/.1mm	ASTM D7415*		31.0	31.4	---
Particles >4µm		ASTM D7647	>10000	3345	1171	---
Particles >6µm		ASTM D7647	>2500	1189	229	---
Particles >14µm		ASTM D7647	>320	84	7	---
Particles >21µm		ASTM D7647	>80	14	2	---
Particles >38µm		ASTM D7647	>20	1	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/14	17/15/10	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
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	---
Sodium	ppm	ASTM D5185(m)		0	<1	---
Boron	ppm	ASTM D5185(m)		0	<1	---
Barium	ppm	ASTM D5185(m)		2	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		0	0	---
Calcium	ppm	ASTM D5185(m)		0	<1	---
Phosphorus	ppm	ASTM D5185(m)		237	232	---
Zinc	ppm	ASTM D5185(m)		<1	1	---
Sulfur	ppm	ASTM D5185(m)		1146	1122	---
Oxidation	Abs/.1mm	ASTM D7414*		54.1	54.6	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.09	0.06	---
Visc @ 40°C	cSt	ASTM D7279(m)		46.8	46.5	---
Visc @ 100°C	cSt	ASTM D7279(m)		7.8	7.8	---
Viscosity Index (VI)	Scale	ASTM D2270*		135	136	---

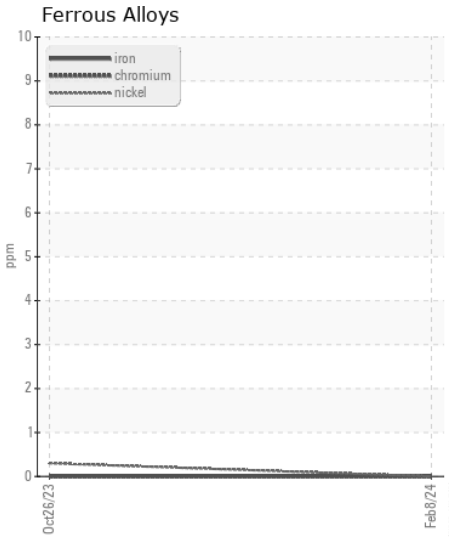


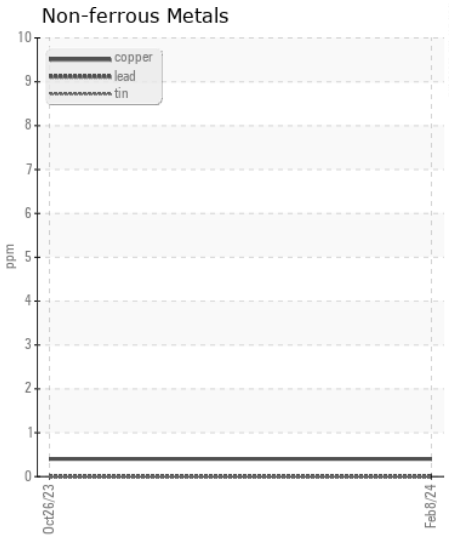


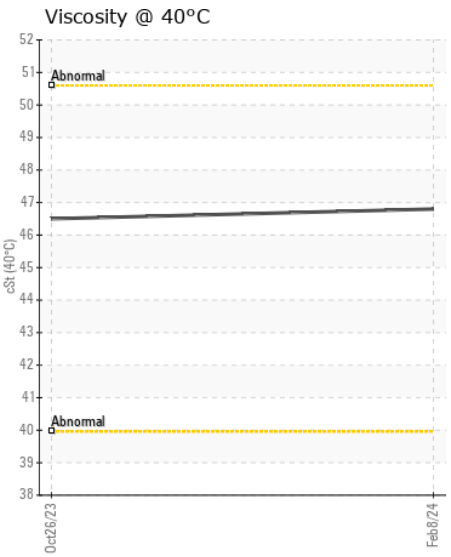


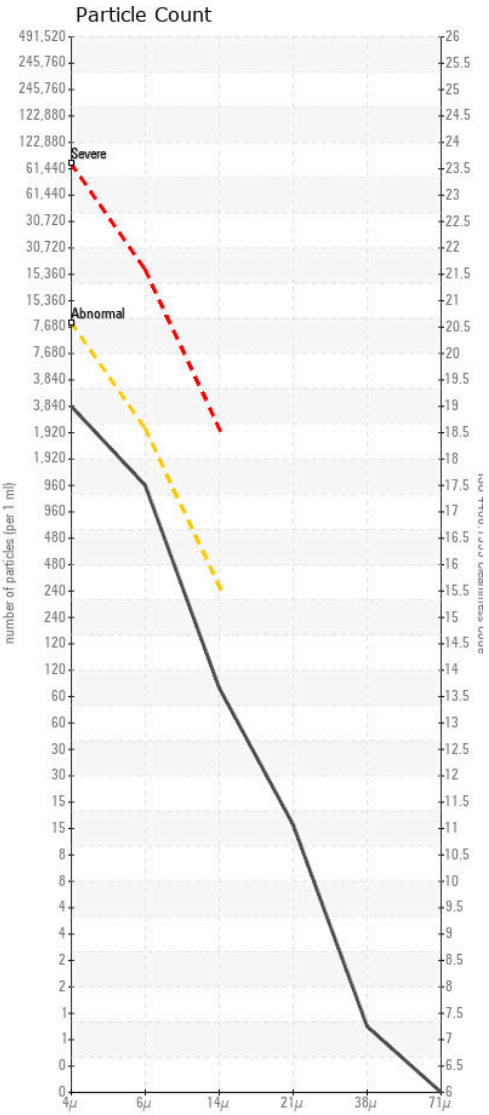


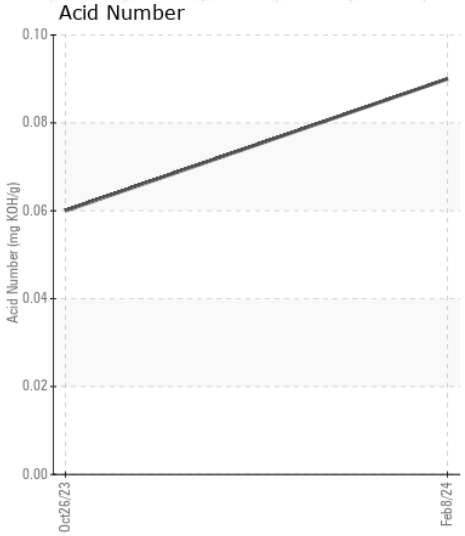












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0879027 **Received** : 15 Feb 2024
Lab Number : 02615977 **Tested** : 20 Feb 2024
Unique Number : 5733087 **Diagnosed** : 20 Feb 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: FT-IR, KF, KV100, PrtCount, TAN Man, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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