



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
ROCTEL XAC005
Component
Rotary Compressor
Fluid
FUCHS RENOLIN AC 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0879033	---	---
Sample Date		Client Info		27 May 2024	---	---
Machine Age	hrs	Client Info		94224	---	---
Oil Age	hrs	Client Info		5000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>70	0	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>3	0	---	---
Lead	ppm	ASTM D5185(m)	>4	0	---	---
Copper	ppm	ASTM D5185(m)	>20	<1	---	---
Tin	ppm	ASTM D5185(m)	>3	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

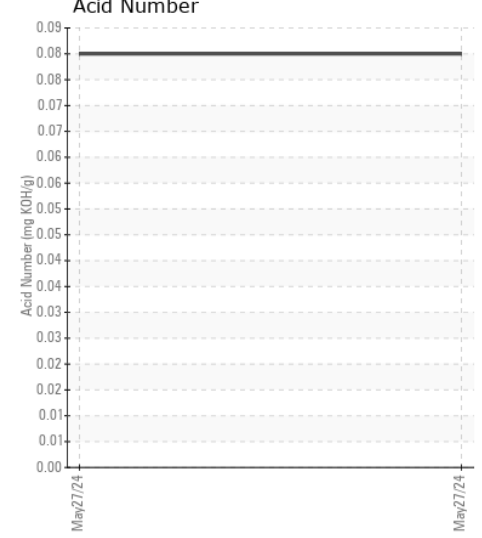
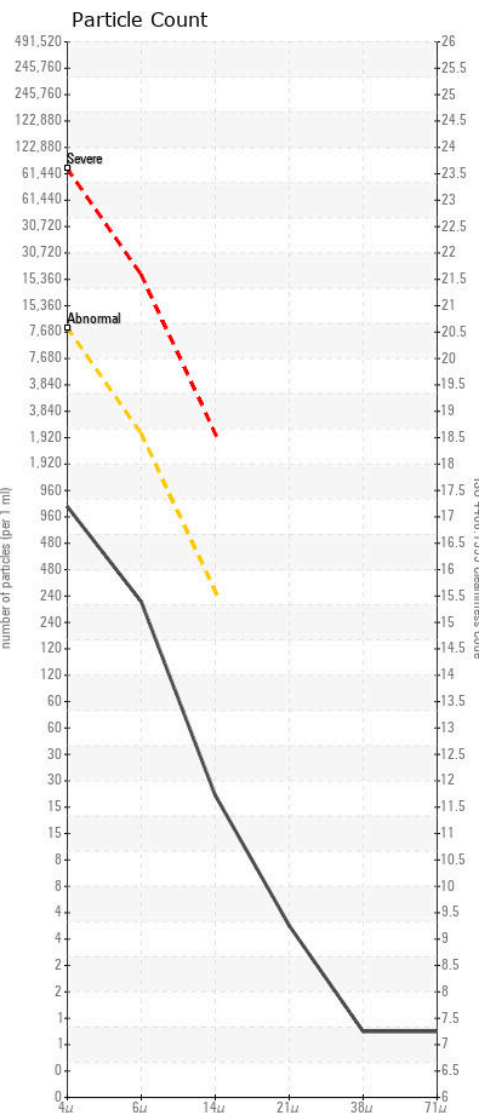
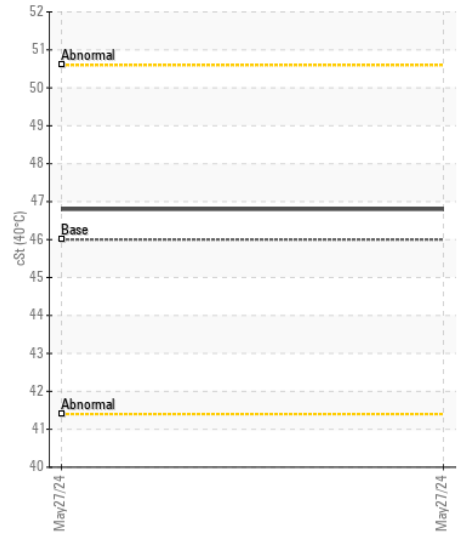
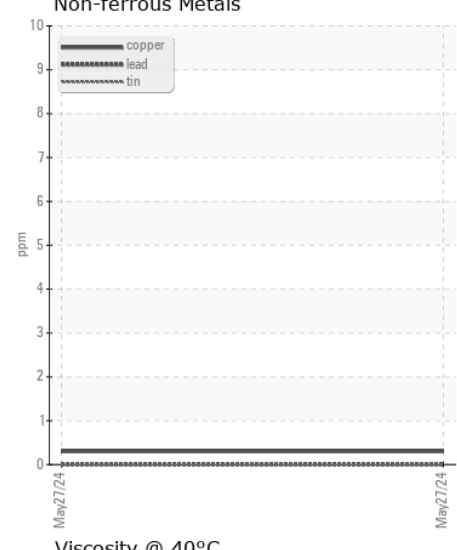
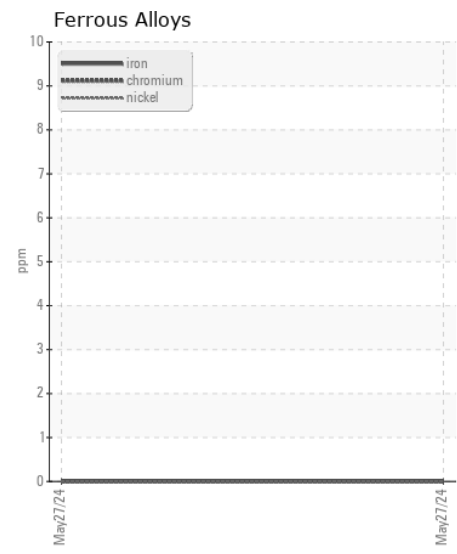
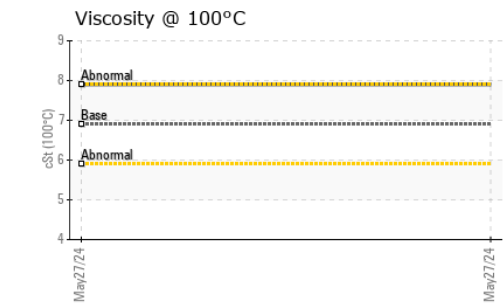
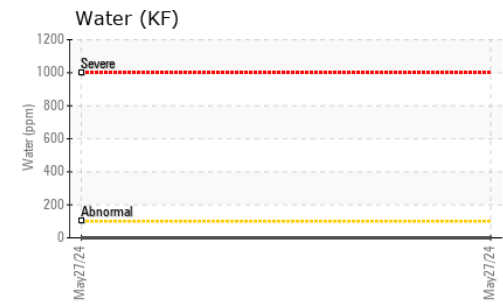
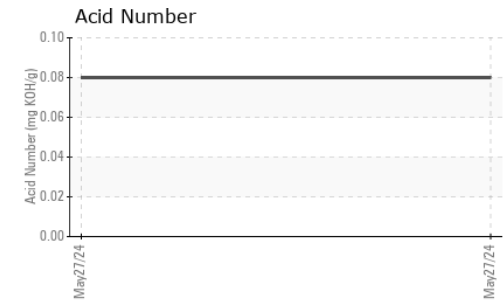
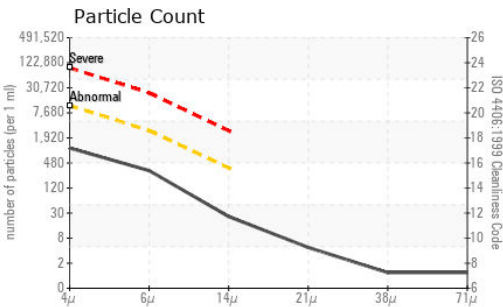
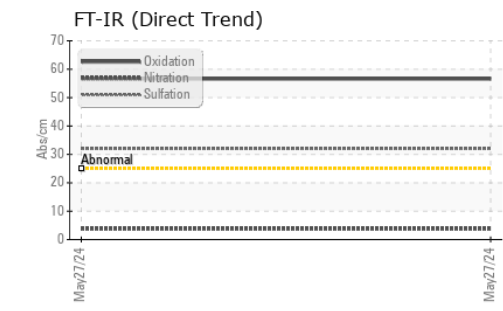
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>45	0	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*	>0.6	0.00	---	---
ppm Water	ppm	ASTM D6304*		0	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		3.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*		32.0	---	---
Particles >4µm		ASTM D7647	>10000	963	---	---
Particles >6µm		ASTM D7647	>2500	277	---	---
Particles >14µm		ASTM D7647	>320	22	---	---
Particles >21µm		ASTM D7647	>80	4	---	---
Particles >38µm		ASTM D7647	>20	1	---	---
Particles >71µm		ASTM D7647	>4	1	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/12	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.6	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)		0	---	---
Phosphorus	ppm	ASTM D5185(m)		238	---	---
Zinc	ppm	ASTM D5185(m)		<1	---	---
Sulfur	ppm	ASTM D5185(m)		1014	---	---
Oxidation	Abs/.1mm	ASTM D7414*		56.6	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.08	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	46.0	46.8	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.9	7.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	95	139	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0879033 **Received** : 28 May 2024
Lab Number : 02638055 **Tested** : 30 May 2024
Unique Number : 5787217 **Diagnosed** : 30 May 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: FT-IR, KF, KV100, PrtCount, VI)

FUCHS LUBRICANTS CANADA
 405 DOBBIE DRIVE, P.O. BOX 909
 CAMBRIDGE, ON
 CA N1R 5X9
 Contact: Laura Hornby
 laura.hornby@fuchs.com
 T:
 F: (519)622-2220

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.