



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
VIRGIN 7043
Component
New (Unused) Oil
Fluid
FUCHS ECOCUT GD 7043 (--- GAL)

RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0879028	---	---
Sample Date		Client Info		31 Jan 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

{not applicable}

Iron	ppm	ASTM D5185(m)	>5	<1	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	---	---
Lead	ppm	ASTM D5185(m)	>5	0	---	---
Copper	ppm	ASTM D5185(m)	>5	0	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

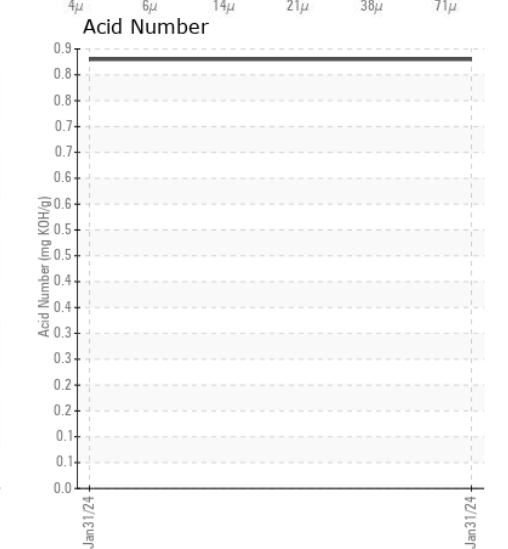
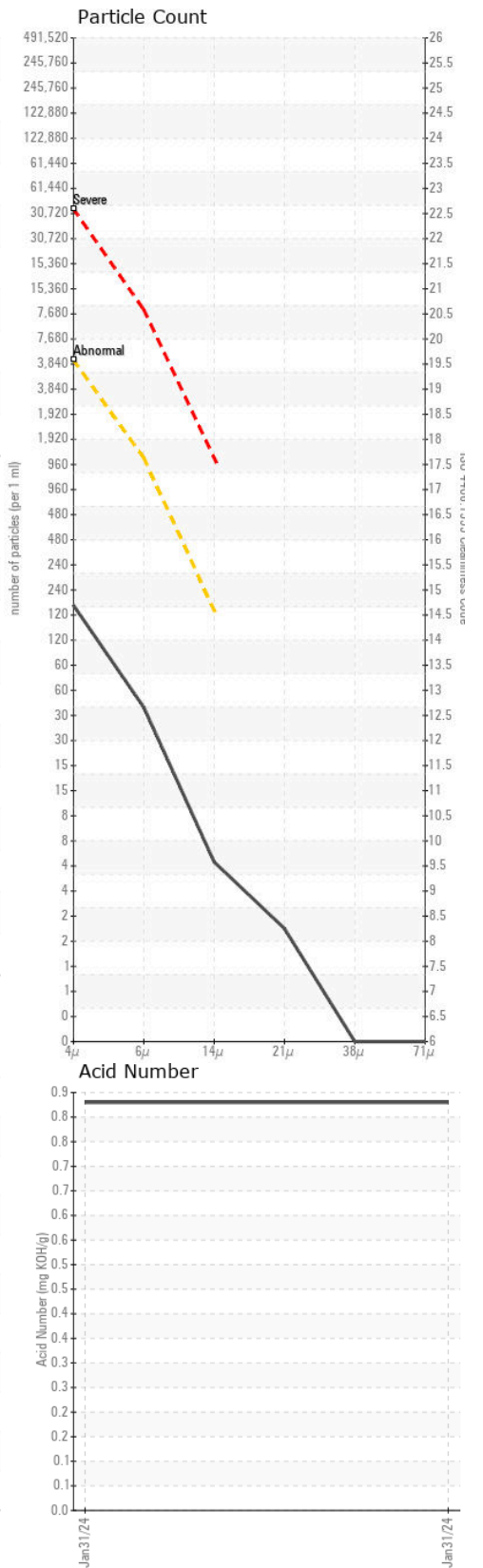
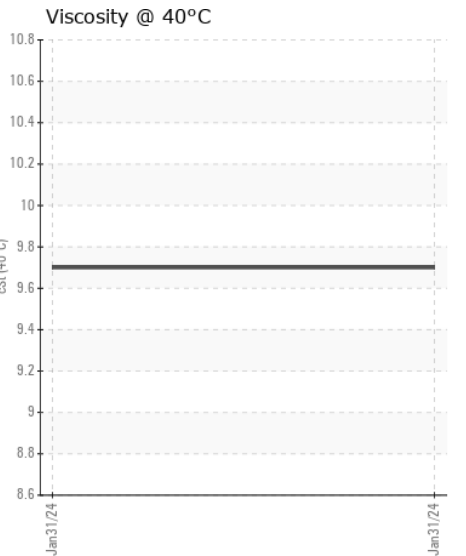
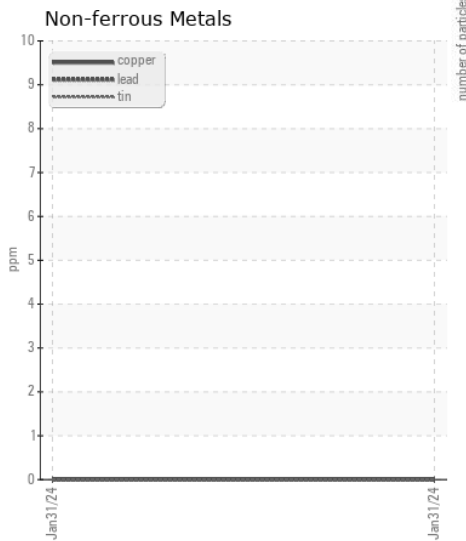
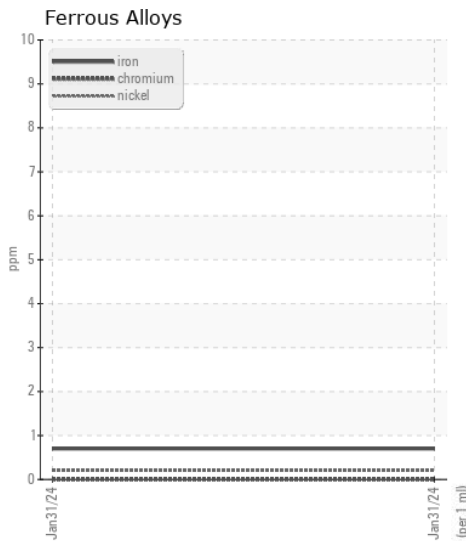
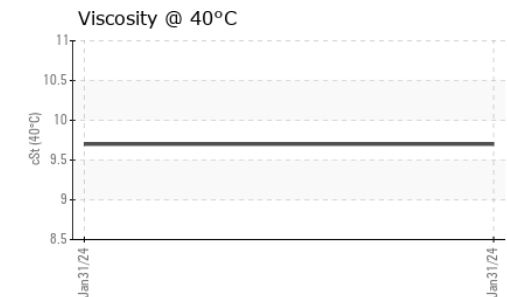
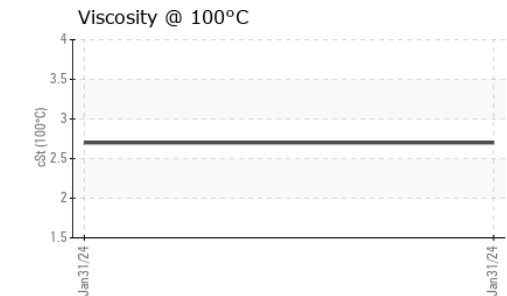
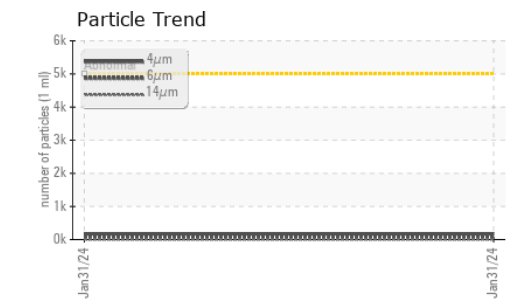
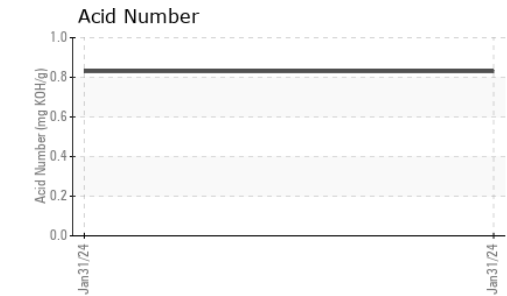
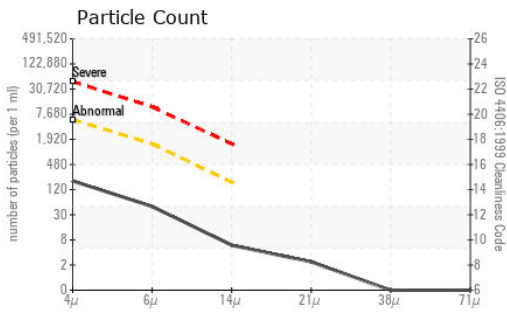
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. There is no indication of any contamination in the new (unused) oil.

Silicon	ppm	ASTM D5185(m)	>15	8	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		1.7	---	---
Sulfation	Abs/.1mm	ASTM D7415*		19.1	---	---
Particles >4µm		ASTM D7647	>5000	171	---	---
Particles >6µm		ASTM D7647	>1300	42	---	---
Particles >14µm		ASTM D7647	>160	5	---	---
Particles >21µm		ASTM D7647	>40	2	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*		NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		1	---	---
Calcium	ppm	ASTM D5185(m)		6	---	---
Phosphorus	ppm	ASTM D5185(m)		192	---	---
Zinc	ppm	ASTM D5185(m)		10	---	---
Sulfur	ppm	ASTM D5185(m)		5144	---	---
Oxidation	Abs/.1mm	ASTM D7414*		12.2	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.83	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		9.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		2.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		119	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0879028
Lab Number : 02618022
Unique Number : 5735132
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI)

Received : 26 Feb 2024
Tested : 28 Feb 2024
Diagnosed : 28 Feb 2024 - Kevin Marson

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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.