



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CHRISTLER CHYSTLER 300C
 Component
Gasoline Engine
 Fluid
TENS ULTRA PLATINUM (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0690551	---	---
Sample Date		Client Info		12 Apr 2024	---	---
Machine Age	mls	Client Info		3786	---	---
Oil Age	mls	Client Info		3786	---	---
Filter Age	mls	Client Info		3786	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	101	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>5	2	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>40	5	---	---
Lead	ppm	ASTM D5185m	>50	1	---	---
Copper	ppm	ASTM D5185m	>155	166	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

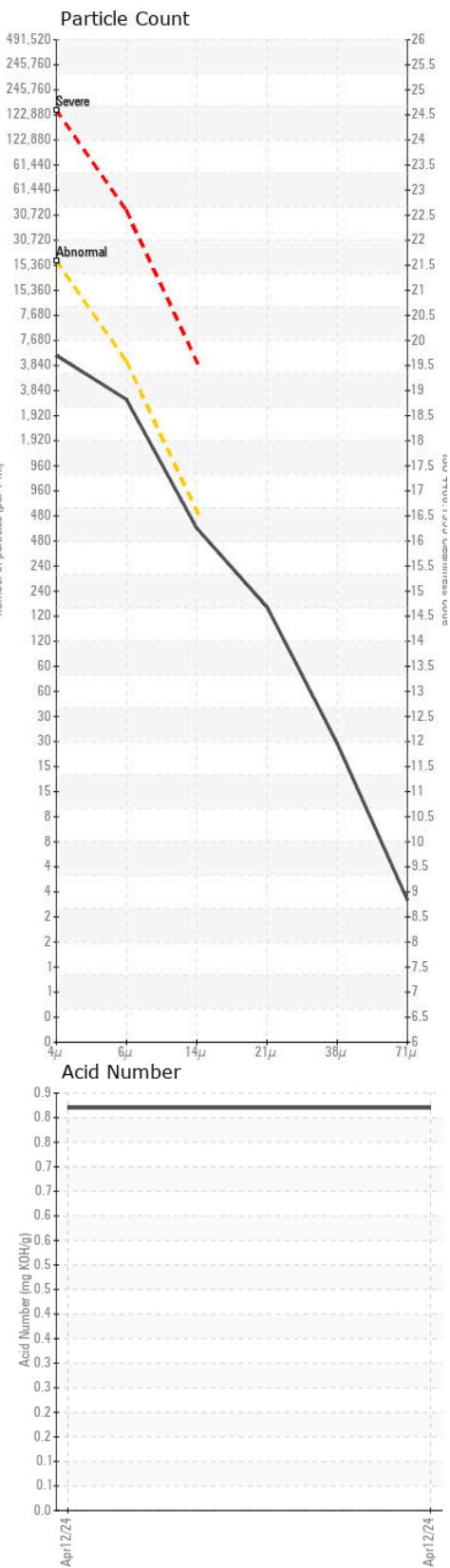
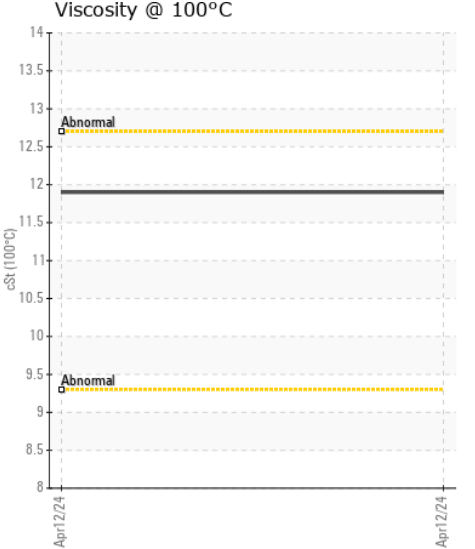
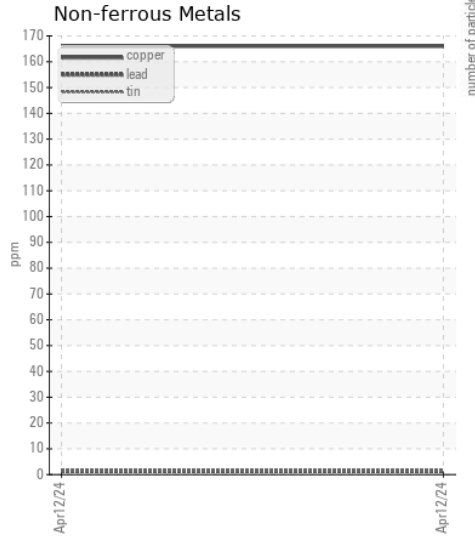
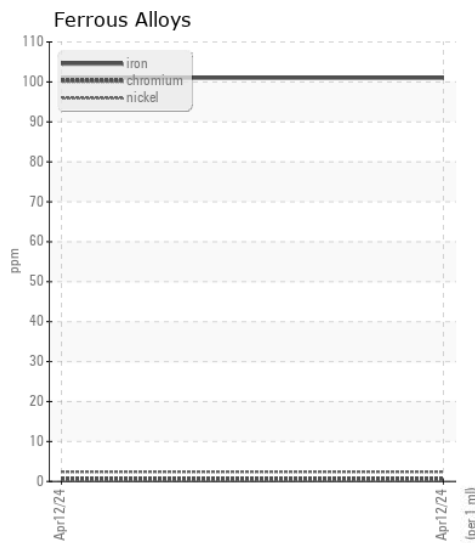
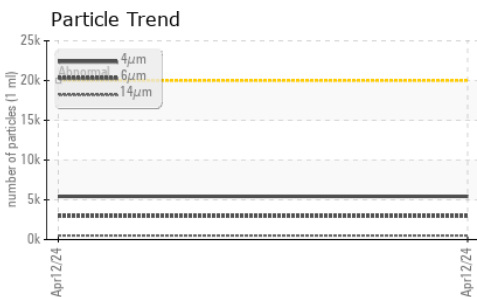
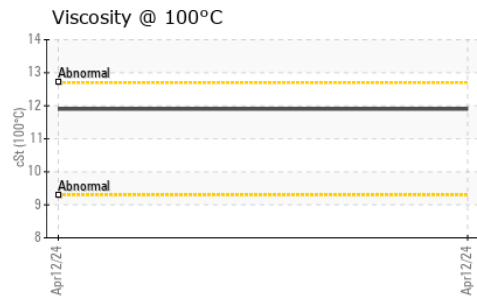
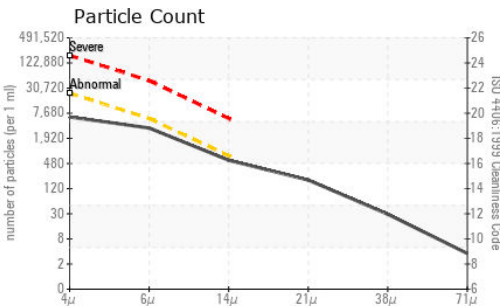
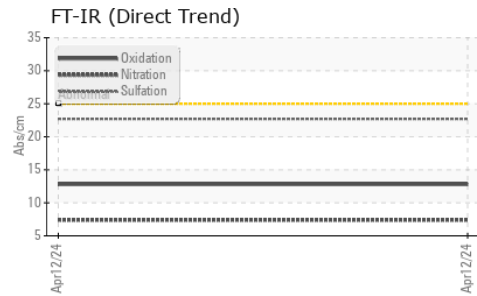
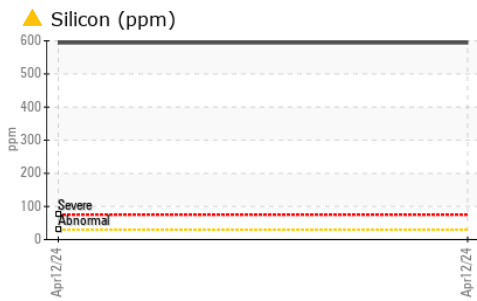
Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>30	▲ 594	---	---
Potassium	ppm	ASTM D5185m	>20	8	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0	---	---
Nitration	Abs/cm	*ASTM D7624	>20	7.4	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7	---	---
Particles >4µm		ASTM D7647	>20000	5437	---	---
Particles >6µm		ASTM D7647	>5000	2962	---	---
Particles >14µm		ASTM D7647	>640	504	---	---
Particles >21µm		ASTM D7647	>160	170	---	---
Particles >38µm		ASTM D7647	>40	26	---	---
Particles >71µm		ASTM D7647	>10	3	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	20/19/16	---	---
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	>0.2	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	>400	9	---	---
Boron	ppm	ASTM D5185m		148	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		181	---	---
Manganese	ppm	ASTM D5185m		14	---	---
Magnesium	ppm	ASTM D5185m		522	---	---
Calcium	ppm	ASTM D5185m		825	---	---
Phosphorus	ppm	ASTM D5185m		511	---	---
Zinc	ppm	ASTM D5185m		539	---	---
Sulfur	ppm	ASTM D5185m		4286	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.8	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.82	---	---
Visc @ 100°C	cSt	ASTM D445		11.9	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0690551 **Received** : 15 Apr 2024
Lab Number : 06149581 **Tested** : 18 Apr 2024
Unique Number : 10979659 **Diagnosed** : 18 Apr 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: PrtCount, TBN)

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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)