



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
98021
Component
Gasoline Engine
Fluid
GASOLINE ENGINE OIL SAE 5W30 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

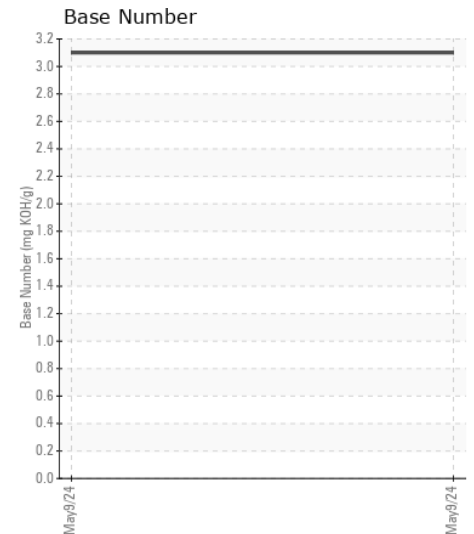
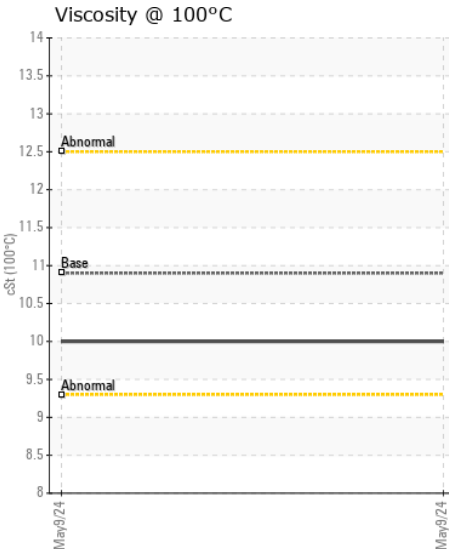
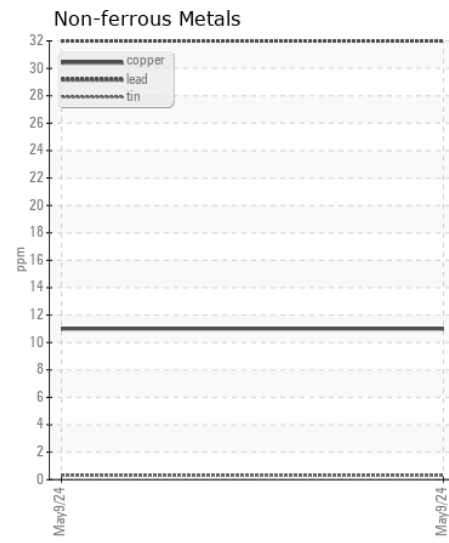
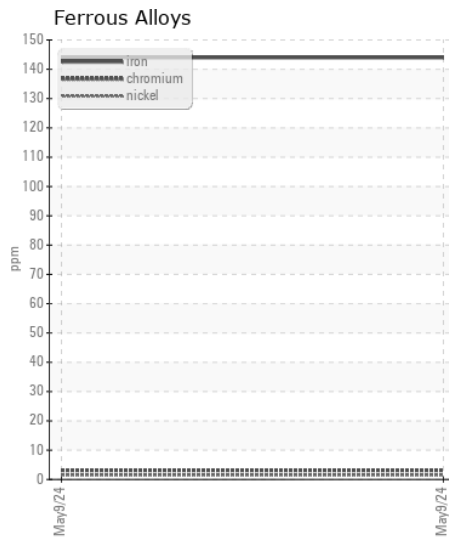
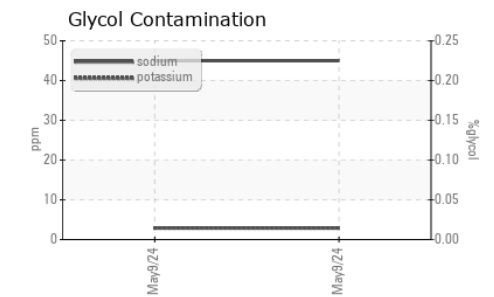
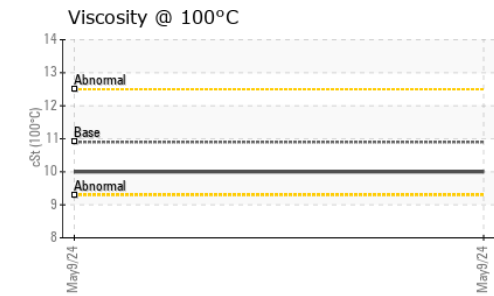
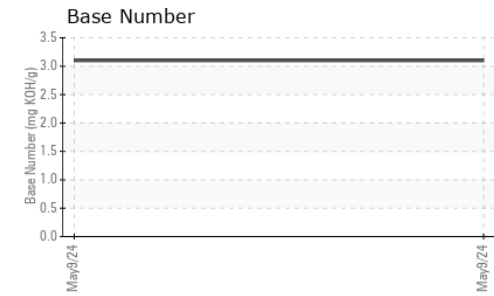
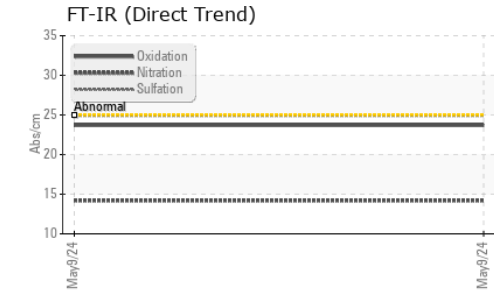
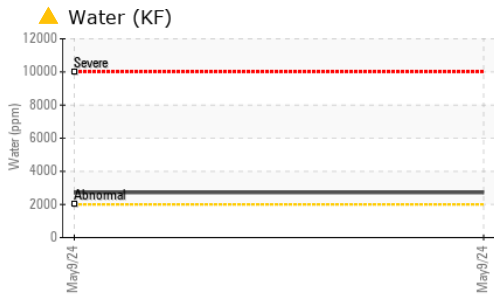
CONTAMINATION

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		SBP0001991	---	---
Sample Date		Client Info		09 May 2024	---	---
Machine Age	mls	Client Info		197200	---	---
Oil Age	mls	Client Info		7500	---	---
Filter Age	mls	Client Info		7500	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>150	144	---	---
Chromium	ppm	ASTM D5185m	>20	3	---	---
Nickel	ppm	ASTM D5185m	>5	2	---	---
Titanium	ppm	ASTM D5185m		2	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>40	8	---	---
Lead	ppm	ASTM D5185m	>50	32	---	---
Copper	ppm	ASTM D5185m	>155	11	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>30	28	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water	%	ASTM D6304	>0.2	▲ 0.272	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2720	---	---
Glycol	%	*ASTM D2982		NEG	---	---
Soot %	%	*ASTM D7844		0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	14.2	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.9	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m	>400	45	---	---
Boron	ppm	ASTM D5185m	75	23	---	---
Barium	ppm	ASTM D5185m	5	0	---	---
Molybdenum	ppm	ASTM D5185m	100	254	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m	12	451	---	---
Calcium	ppm	ASTM D5185m	2100	1455	---	---
Phosphorus	ppm	ASTM D5185m	650	736	---	---
Zinc	ppm	ASTM D5185m	850	904	---	---
Sulfur	ppm	ASTM D5185m	2500	2565	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.7	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.1	---	---
Visc @ 100°C	cSt	ASTM D445	10.9	10.0	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0001991 **Received** : 28 May 2024
Lab Number : 06193271 **Tested** : 31 May 2024
Unique Number : 11050023 **Diagnosed** : 31 May 2024 - Jonathan Hester
Test Package : FLEET (Additional Tests: Glycol, KF)

Sapp Bros. Fleet - Lincoln Location

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)

US
Contact: Service Manager

T:
F: