



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>ABNORMAL</b>

Machine Id  
**95073**  
 Component  
**Liquid Petroleum Gas**  
 Fluid  
 {not provided} (--- GAL)

## RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

Cylinder, crank, or cam shaft wear is indicated.

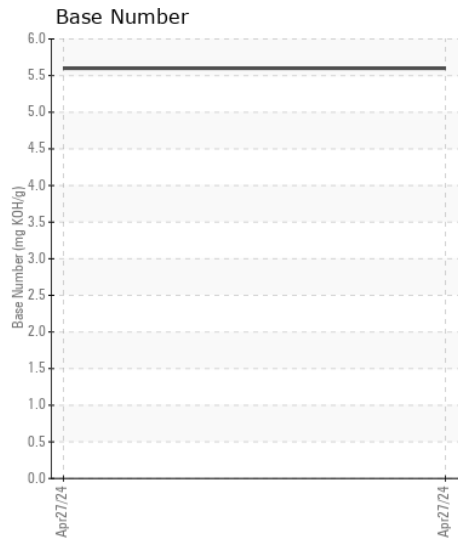
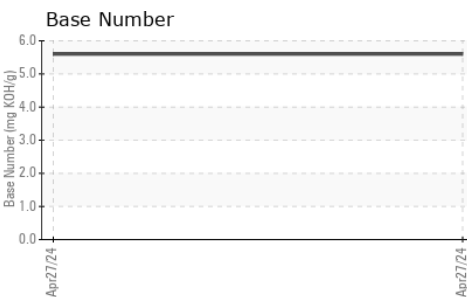
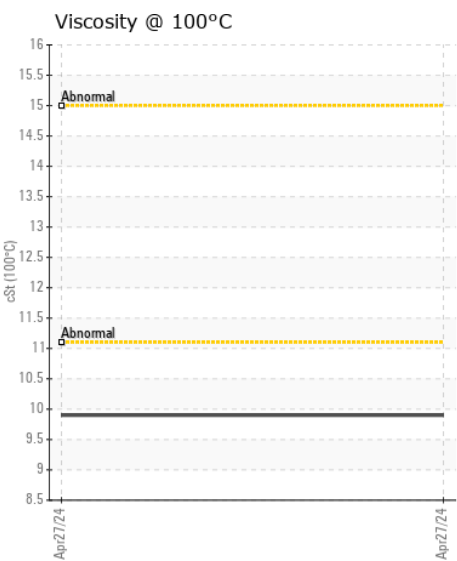
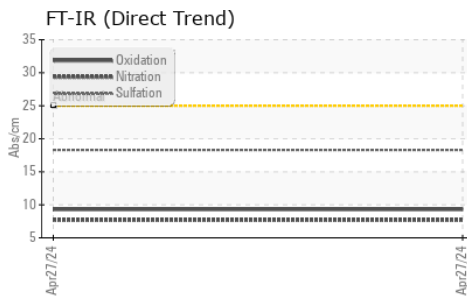
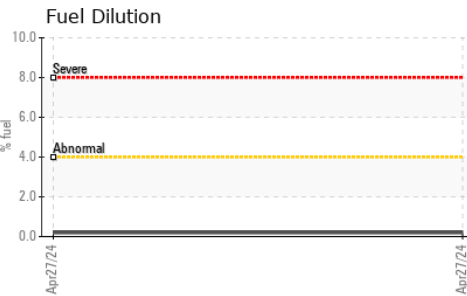
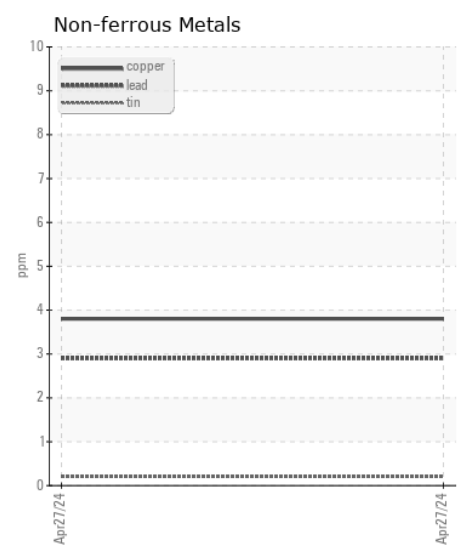
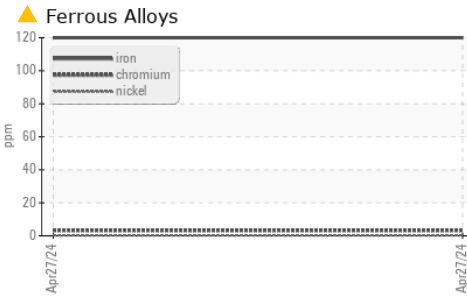
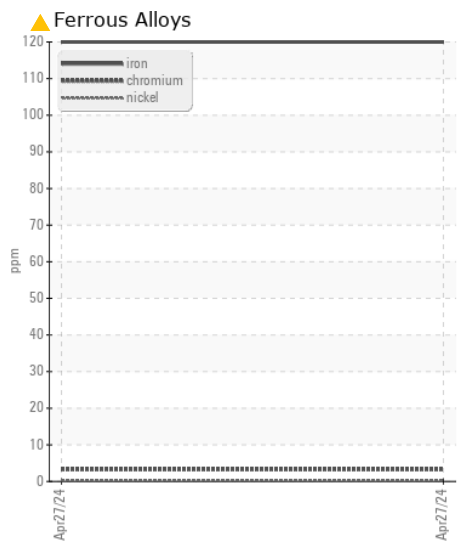
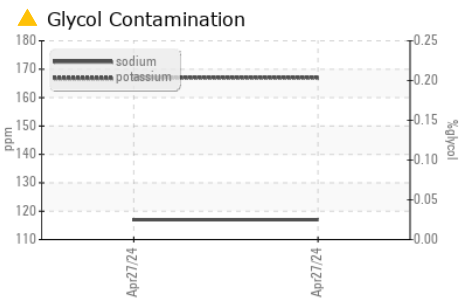
## CONTAMINATION

Sodium and/or potassium levels are high.

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		SBP0001939	---	---
Sample Date		Client Info		27 Apr 2024	---	---
Machine Age	mls	Client Info		109986	---	---
Oil Age	mls	Client Info		10000	---	---
Filter Age	mls	Client Info		10000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
<hr/>						
Iron	ppm	ASTM D5185m	>120	▲ 120	---	---
Chromium	ppm	ASTM D5185m	>10	3	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m	>5	<1	---	---
Aluminum	ppm	ASTM D5185m	>20	19	---	---
Lead	ppm	ASTM D5185m	>40	3	---	---
Copper	ppm	ASTM D5185m	>300	4	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185m	>25	12	---	---
Potassium	ppm	ASTM D5185m	>20	▲ 167	---	---
Fuel	%	ASTM D3524	>4.0	0.2	---	---
Water		WC Method	>0.1	NEG	---	---
Soot %	%	*ASTM D7844		0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	7.7	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
<hr/>						
Sodium	ppm	ASTM D5185m		▲ 117	---	---
Boron	ppm	ASTM D5185m		35	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		115	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		798	---	---
Calcium	ppm	ASTM D5185m		1454	---	---
Phosphorus	ppm	ASTM D5185m		882	---	---
Zinc	ppm	ASTM D5185m		1133	---	---
Sulfur	ppm	ASTM D5185m		3468	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.3	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		5.6	---	---
Visc @ 100°C	cSt	ASTM D445		9.9	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0001939 **Received** : 28 May 2024  
**Lab Number** : 06193272 **Tested** : 31 May 2024  
**Unique Number** : 11050024 **Diagnosed** : 31 May 2024 - Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**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: