



PROBLEM SUMMARY

Sample Rating Trend



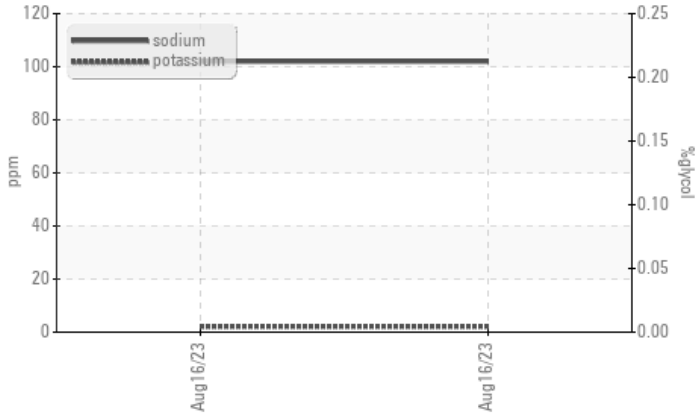
GLYCOL



Machine Id
FL0311
 Component
Propane Engine
 Fluid
NAPA 10W30 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Glycol Contamination



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: This unit is a propane forklift)

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL		---	---
Sodium	ppm	ASTM D5185m	▲ 102	---

Customer Id: GFL411
 Sample No.: GFL0085624
 Lab Number: 05930211
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Machine Id
FL0311
 Component
Propane Engine
 Fluid
NAPA 10W30 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. (Customer Sample Comment: This unit is a propane forklift)

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

▲ 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0085624	---	---
Sample Date	Client Info	16 Aug 2023	---	---
Machine Age	hrs	3850	---	---
Oil Age	hrs	32	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >100	26	---	---
Chromium	ppm	ASTM D5185m >25	1	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m	2	---	---
Silver	ppm	ASTM D5185m >5	0	---	---
Aluminum	ppm	ASTM D5185m >20	4	---	---
Lead	ppm	ASTM D5185m >25	2	---	---
Copper	ppm	ASTM D5185m >35	1	---	---
Tin	ppm	ASTM D5185m >8	0	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	141	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	292	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	347	---	---
Calcium	ppm	ASTM D5185m	1571	---	---
Phosphorus	ppm	ASTM D5185m	677	---	---
Zinc	ppm	ASTM D5185m	830	---	---
Sulfur	ppm	ASTM D5185m	3658	---	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	14	---	---
Sodium	ppm	ASTM D5185m	▲ 102	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

INFRA-RED

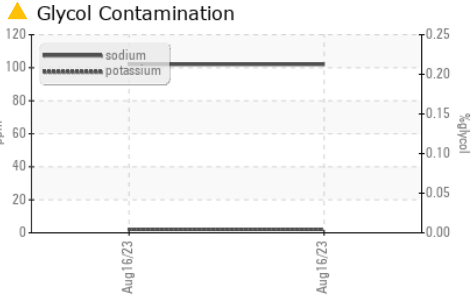
method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	0.1	---	---
Nitration	Abs/cm	*ASTM D7624 >20	5.7	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	15.3	---	---

FLUID DEGRADATION

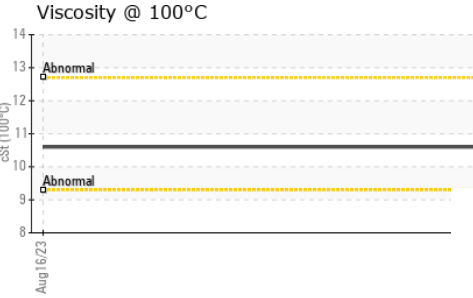
method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	9.5	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	6.4	---	---



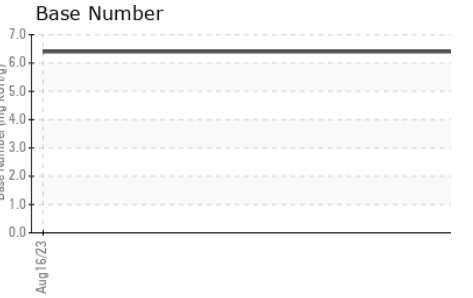
OIL ANALYSIS REPORT



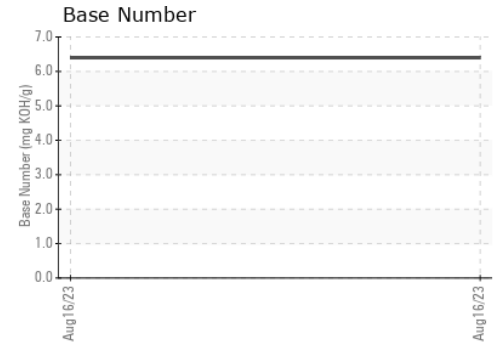
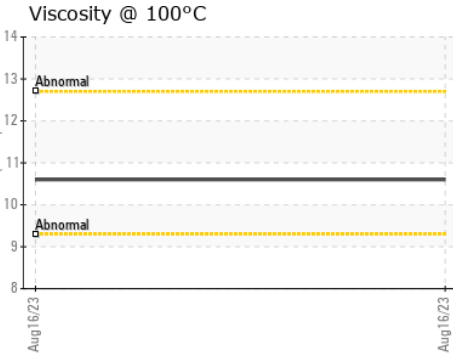
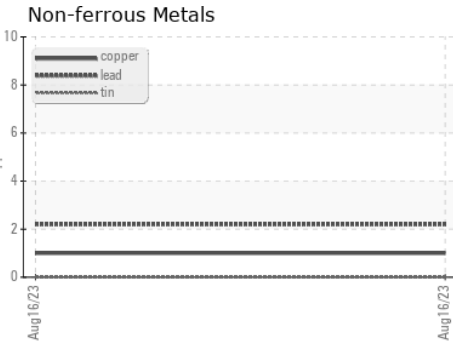
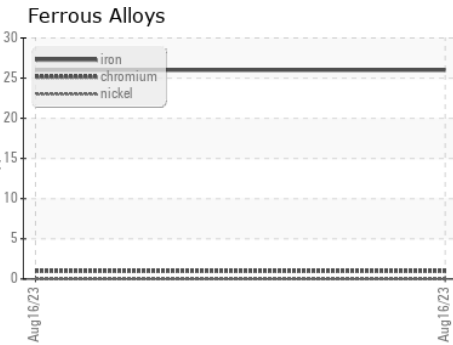
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	10.6	---	---



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0085624
Lab Number : 05930211
Unique Number : 10615482
Test Package : FLEET

GFL Environmental - 411 - Kingsford HC
 1001 E Blvd
 Kingsford, MI
 US 49802
 Contact: Service Manager

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)

T:
F: