WEAR CONTAMINATION **FLUID CONDITION**

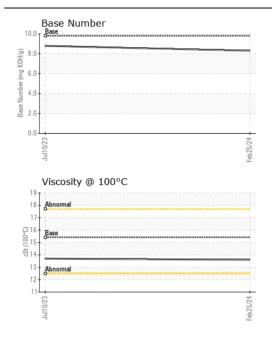
NORMAL NORMAL NORMAL

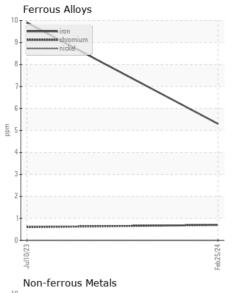
Area (YA169067) Machine Id 912037

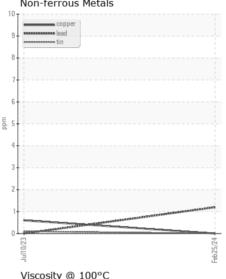
Diesel Engine

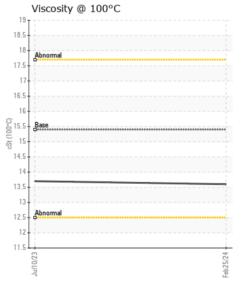
PETRO CAI	NADA DURON	SHP 15W40	(GAL)
			3

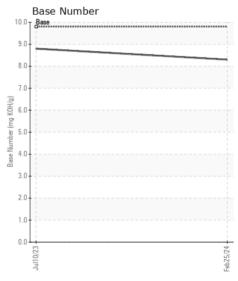
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		GFL0101381	GFL0078219	
Resample at the next service interval to monitor.	Sample Date		Client Info		25 Feb 2024	10 Jul 2023	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	3337	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	nnm	ASTM D5185m	<u> 165</u>	5	10	
VEAN	Chromium	ppm	ASTM D5185m		ە <1	<1	
all component wear rates are normal.		ppm					
'	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		4	4	
	Lead	ppm	ASTM D5185m		1	0	
	Copper	ppm	ASTM D5185m	>90	0	<1	
	Tin	ppm	ASTM D5185m	>5	0	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>35	3	2	
CITTAINITE TO THE CONTRACT OF	Potassium	ppm	ASTM D5185m		9	11	
here is no indication of any contamination in the oil.	Fuel	ррпп	WC Method	>3.0	<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	>0.2	NEG	NEG	
	•	0/		7 -			
	Soot %	%	*ASTM D7844		0.4	0.3	
	Nitration	Abs/cm	*ASTM D7624		7.2	7.5	
	Sulfation	Abs/.1mm	*ASTM D7415		18.6	19.6	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		5	0	
<u> </u>	Boron	ppm	ASTM D5185m	0	7	3	
he BN result indicates that there is suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m		0	0	
I. The condition of the oil is suitable for further service.	Molybdenum	ppm	ASTM D5185m		62	59	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		992	864	
	Calcium	ppm	ASTM D5185m		1160	1127	
	Phosphorus	ppm	ASTM D5185m		1099	1005	
	Zinc	ppm	ASTM D5185m		1308	1211	
	Sulfur	ppm	ASTM D5185m		3125	3036	
	Oxidation	Abs/.1mm	*ASTM D7414		13.9	15.0	
	Base Number (BN)				8.3	8.8	
	Visc @ 100°C	cSt	ASTM D445	4 = 4	13.6	13.7	













Laboratory Sample No.

: GFL0101381 Lab Number : 06100663 Unique Number: 10898893 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Feb 2024 : 27 Feb 2024 **Tested** Diagnosed

: 27 Feb 2024 - Wes Davis

GFL Environmental - 112 - New Bern 705 Airport Road

New Bern, NC US 28560 Contact: Marquis Williams

Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

marquis.williams@gflenv.com T:

* - 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)

F: