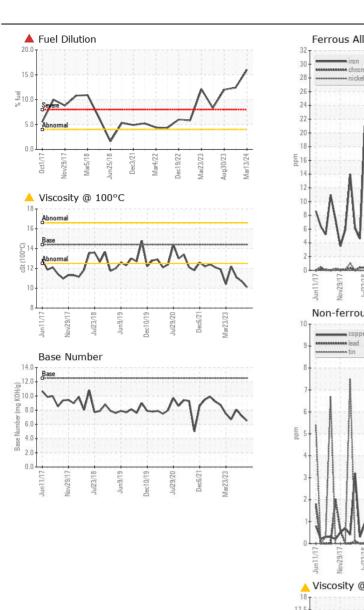
WEAR
CONTAMINATION
FLUID CONDITION

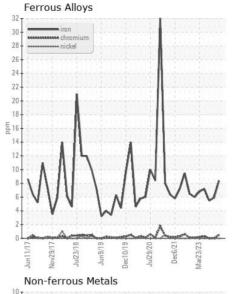
NORMAL SEVERE ABNORMAL

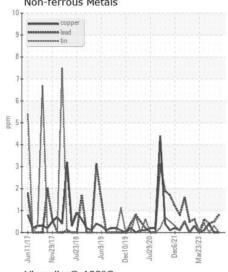
Machine Id

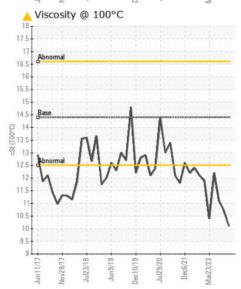
CUMMINS MV GLADYS G

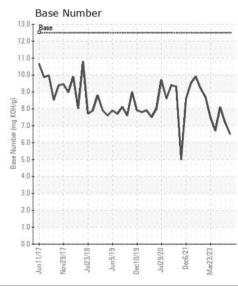
Component Port Genset							
CHEVRON DELO 400 MULTIGRADE 15W40 (5 0	GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the fuel injection system. Oil and filter	Sample Number Sample Date		Client Info		MW0038992 13 Mar 2024	MW0062706 24 Oct 2023	MW0045802
change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Machine Age	hrs	Client Info		0	26357	30 Aug 2023 25695
	Oil Age	hrs	Client Info		500	750	1000
	Filter Age	hrs	Client Info		27162	750	1000
	Oil Changed	0	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	SEVERE	SEVERE
WEAD							
WEAR	Iron	ppm	ASTM D5185m		8	6	6
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	0
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium Silver	ppm	ASTM D5185m	. E	0	0	<1
	Aluminum	ppm	ASTM D5185m ASTM D5185m		2	3	0
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		0	0	<1
	Tin	ppm	ASTM D5185m		0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	0:::		AOTM DEADE	05	4	_	
CONTAMINATION	Silicon	ppm	ASTM D5185m		4 0	5	5
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Potassium Fuel	ppm %	ASTM D5185m ASTM D3524		u ▲ 16.0	<1 1 2.4	<1 1 2.0
	Water	/0	WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	12.4	10.6	10.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	21.9	22.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	<1	2
	Boron	ppm	ASTM D5185m	151	209	213	232
The BN result indicates that there is suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m	0.4	0	0	0
oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Molybdenum	ppm	ASTM D5185m	250	104	99	98
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		542	533	528
	Calcium	ppm	ASTM D5185m		1470	1339	1518
	Phosphorus	ppm	ASTM D5185m		605	560	575
	Zinc	ppm	ASTM D5185m		707	682	728
	Sulfur Oxidation	ppm Abs/.1mm	*ASTM D5185m		2477 26.7	1992 21.6	2478 21.3
	Base Number (BN)		ASTM D2896		6.5	7.2	8.1
	Visc @ 100°C	cSt	ASTM D2030		0.5 ▲ 10.1	↑.2 ▲ 10.7	△ 11.1
		001					













Laboratory Sample No.

: MW0038992 Lab Number : 06123035 Unique Number: 10937186

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed

: 19 Mar 2024 : 21 Mar 2024

: 21 Mar 2024 - Don Baldridge

C & B MARINE 50 E RIVERCENTER BLVD, SUITE 1180

COVINGTON, KY US 41011 Contact: DAVID WESTRICH

dwestrich@carlislebray.com

Test Package: MAR 2 (Additional Tests: PercentFuel) Certificate L2367 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: (812)290-4063 F: (859)655-7504