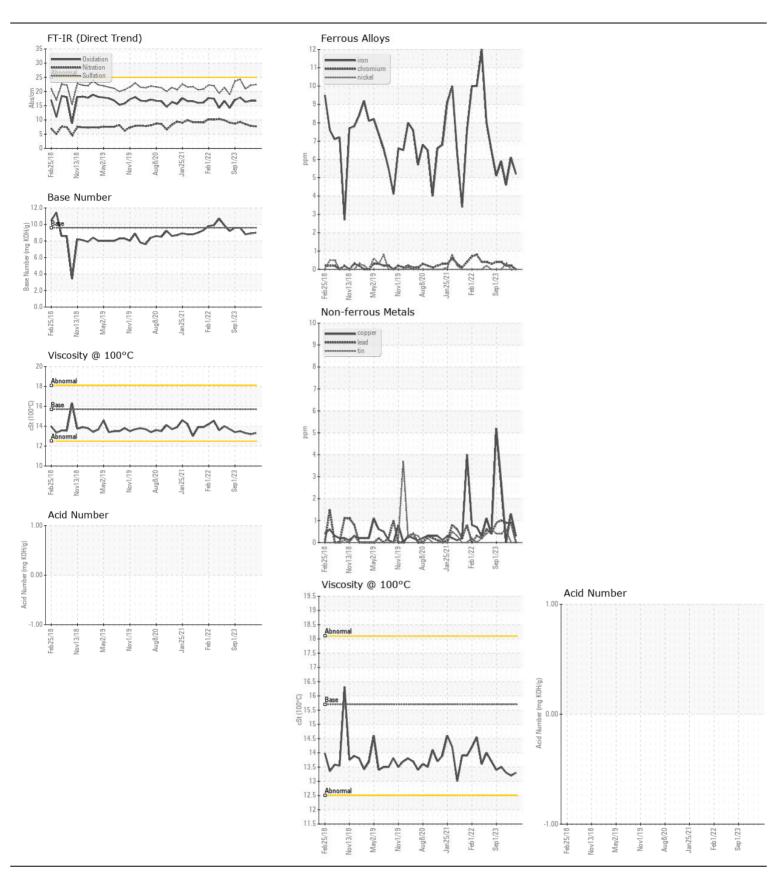
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

LARRY DRUMMOND

[LARRY DRUMMOND] 007 518412-7

Port Genset

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		MW0068769	MW0064374	MW005864
	Sample Date		Client Info		15 Jun 2024	01 May 2024	13 Nov 202
	Machine Age	hrs	Client Info		35830	35454	33673
	Oil Age	hrs	Client Info		400	382	383
	Filter Age	hrs	Client Info		400	0	0
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	5	6	5
	Chromium	ppm	ASTM D5185m	>4	0	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		4	5	8
	Silver	ppm	ASTM D5185m	>5	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	3
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m		<1	1	0
	Tin	ppm	ASTM D5185m		0	0	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	5	5
CONTAMINATION	Potassium	ppm	ASTM D5185m		<1	2	2
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	7 0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.9	8.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	22.2	20.9
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	1	1
	Boron	ppm	ASTM D5185m		251	349	245
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	1	0
	Molybdenum	ppm	ASTM D5185m		107	111	81
	Manganese	ppm	ASTM D5185m		3	2	<1
	Magnesium	ppm	ASTM D5185m		696	767	730
	Calcium	ppm	ASTM D5185m		1724	1863	1650
	Phosphorus	ppm	ASTM D5185m	1200	763	858	831
	Zinc	ppm	ASTM D5185m		931	1101	986
	Sulfur	ppm	ASTM D5185m		3222	3597	3153
	Oxidation	Abs/.1mm	*ASTM D7414		16.7	16.7	16.3
	Base Number (BN)		ASTM D2896		9.0	8.9	8.8







Certificate L2367

Laboratory

Sample No.

: MW0068769 Lab Number : 06219083 Unique Number : 11097280

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

Received **Tested** Diagnosed Test Package : MAR 2 (Additional Tests: TAN Man)

: 26 Jun 2024 : 26 Jun 2024 - Jonathan Hester

: 24 Jun 2024

900 S 3RD ST PADUCAH, KY US 42003

F: (615)695-3697

INGRAM BARGE

Contact: JEFF BISHOP jeff.bishop@ingrambarge.com

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.

T: