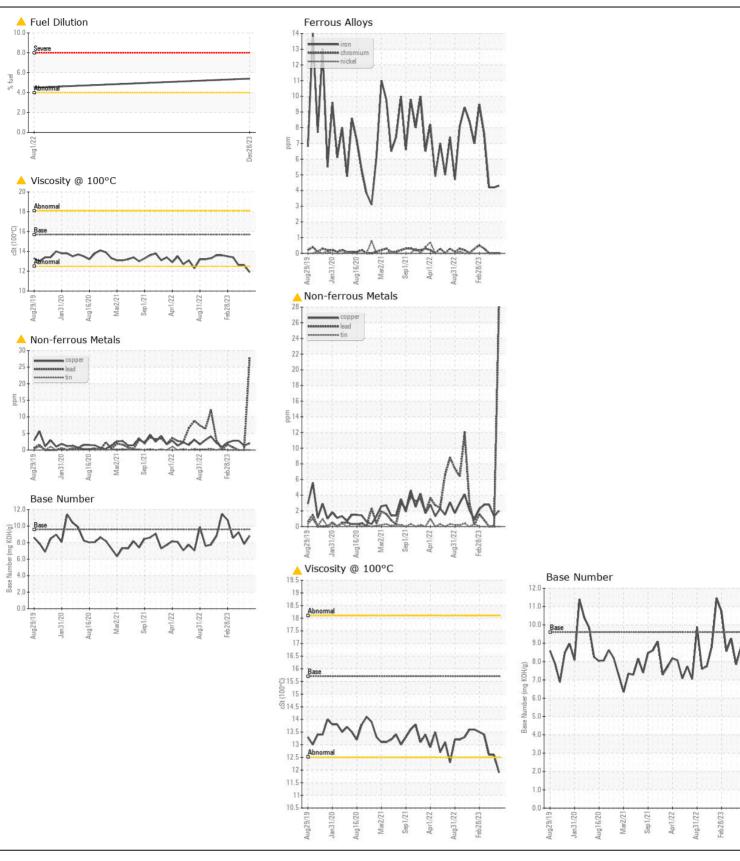
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL ABNORMAL**

CPT OA FRANKS

[CPT OA FRANKS] 001 586734-1

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW06063806	MW06063804	MW06032897
We advise that you check the fuel injection system. Resample at the next service interval to monitor.	Sample Date		Client Info		28 Dec 2023	01 Dec 2023	30 Oct 2023
	Machine Age	hrs	Client Info		38292	37663	36871
	Oil Age	hrs	Client Info		0	0	1406
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>75	4	4	4
WEAT	Chromium	ppm	ASTM D5185m		0	0	0
The lead level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		2	2	4
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		<u>^</u> 28	0	0
	Copper	ppm	ASTM D5185m		2	1	3
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	> 20	6	5	5
CONTAIVINATION	Potassium	ppm	ASTM D5185m		3	2	<1
There is a moderate amount of fuel present in the oil.	Fuel	ppm %	ASTM D3163111	>4.0	5.4 ▲ 5.4	<1.0	<1.0
	Water	/0	WC Method		NEG	NEG	NEG
	Glycol		WC Method	>0.1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.0	7.0	7.6
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	21.7	21.3
	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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water			>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m	. 75	<1	1	3
FLUID CONDITION	Boron	ppm	ASTM D5185m	>10	234	258	266
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		88	94	86
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		602	635	625
	Calcium	ppm	ASTM D5185m		1459	1557	1544
	Phosphorus	ppm	ASTM D5185m	1200	682	719	729
	Zinc		ASTM D5185m		785	828	852
	Sulfur	ppm	ASTM D5185m		2729	2873	2791
	Oxidation	ppm Abs/.1mm	*ASTM D7414		2729 17.2	15.6	15.8
	Base Number (BN)		ASTM D7414 ASTM D2896		8.82	7.84	9.26
	Dase Mullibel (DIN)	ilig NON/g	70 LINI DZ020	0.0	0.02	7.04	5.20







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW06063806

: 06063806 : 10835188 Recieved Diagnosed

: 17 Jan 2024 : 24 Jan 2024 Diagnostician : Doug Bogart

Test Package : MAR 2 (Additional Tests: FuelDilution, PercentFuel) 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) **INGRAM BARGE**

900 S 3RD ST PADUCAH, KY US 42003

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