WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

MARGINAL

NORMAL

CPT OA FRANKS

[CPT OA FRANKS] 003 586734-3

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW06063801	MW06063805	MW0606380
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		01 Jan 2024	28 Dec 2023	01 Dec 202
	Machine Age	hrs	Client Info		22650	22565	21436
	Oil Age	hrs	Client Info		0	0	0
	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				MARGINAL	ABNORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>75	2	4	4
	Chromium	ppm	ASTM D5185m		0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>3	2	2	2
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>15	2	2	2
	Lead	ppm	ASTM D5185m	>18	10	<u> </u>	16
	Copper	ppm	ASTM D5185m		1	2	2
	Tin	ppm	ASTM D5185m	>14	0	0	0
	Vanadium	ppm	ASTM D5185m	NONE	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	5	7	4
Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. No other contaminants were detected in the oil.	Potassium	ppm	ASTM D5185m	>20	3	3	2
	Fuel	%	ASTM D3524	>4.0	2.4	▲ 4.1	<u></u> 6.1
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	00	0.1	0.1	0.1
	Nitration	Abs/tmm	*ASTM D7624		6.1	7.2	8.0 21.9
	Sulfation Silt	Abs/.1mm	*ASTM D7415 *Visual	NONE	21.4 NONE	21.6 NONE	NONE
	Debris	scalar 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	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ACTM DE10E~		 .1	_1	
FLUID CONDITION	Sodium Boron	ppm ppm	ASTM D5185m ASTM D5185m	>10	<1 268	<1 243	<1 238
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	0	0
	Molybdenum	ppm	ASTM D5185m		94	89	88
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		635	615	598
	Calcium	ppm	ASTM D5185m		1524	1468	1471
	Phosphorus	ppm	ASTM D5185m	1200	708	693	686
	Thoophoras	In In					
	Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1300	829	799	780

Oxidation

Visc @ 100°C cSt

16.4

12.6

9.25

15.2

8.77

13.0

Abs/.1mm *ASTM D7414 >25

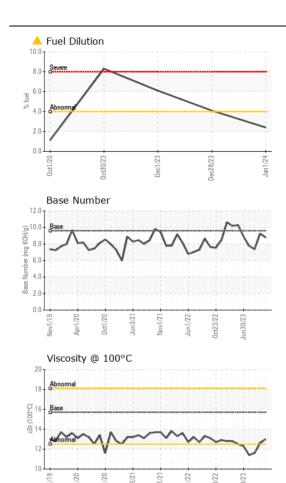
ASTM D445 15.7

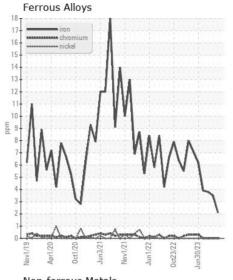
Base Number (BN) mg KOH/g ASTM D2896 9.6

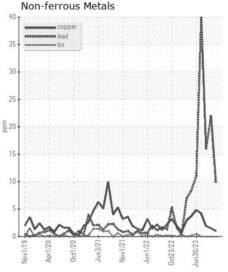
11.6

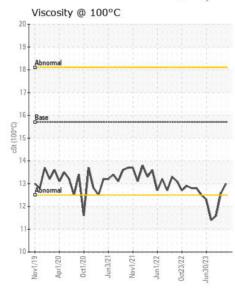
16.9

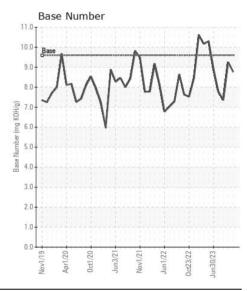
7.36















Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW06063801 : 06063801

: 10835183

Recieved Diagnosed

: 17 Jan 2024 : 19 Jan 2024 Diagnostician : Wes Davis

Test Package : MAR 2 (Additional Tests: 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**

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