

## **OIL ANALYSIS REPORT**

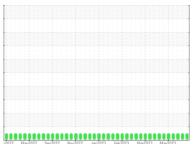


# 605 Ultra 40 TRIAL Pinconning CAT 2 PINM02BE

**Biogas Engine** 

**MOBIL PEGASUS 605 (--- GAL)** 

## Sample Rating Trend





### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

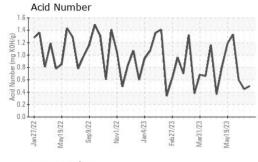
### Fluid Condition

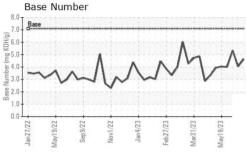
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

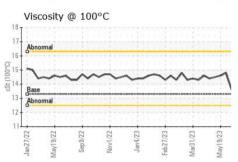
		12022 Widy20	AND STREET STREET	owners 1002023 midE023 1	noycoco	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0840784	WC0840777	WC0840776
Sample Date		Client Info		04 Dec 2023	13 Nov 2023	03 Nov 2023
Machine Age	hrs	Client Info		45418	44917	58965
Oil Age	hrs	Client Info		290	156	44636
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	1	1	<1
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	_	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m		2	<1	<1
Lead	ppm	ASTM D5185m	>9	0	0	0
Copper	ppm	ASTM D5185m		2	3	3
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		101	7	15
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		24	19	5
Calcium	ppm	ASTM D5185m		1458	1591	1523
Phosphorus	ppm	ASTM D5185m		373	245	245
Zinc	ppm	ASTM D5185m		500	343	319
Sulfur	ppm	ASTM D5185m		3153	2357	2115
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>181	91	60	29
Sodium	ppm	ASTM D5185m		2	4	5
Potassium	ppm	ASTM D5185m	>20	1	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	3.2	4.1	4.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1	15.7	15.5
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.6	8.0	8.3
Acid Number (AN)	mg KOH/g	ASTM D8045		0.50	0.45	0.60
Base Number (BN)	mg KOH/g	ASTM D2896	7.1	4.64	4.05	5.34
Dase Nullibel (DIV)						



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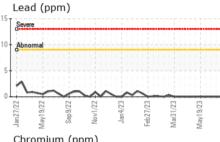


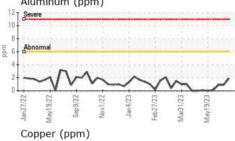


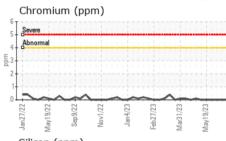
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

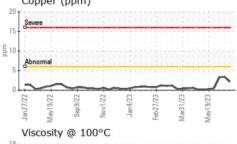
FLUID FROFER	THES	memou			HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	13.3	13.9	13.7	13.6

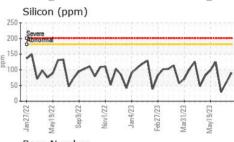
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Jan 27/22	May19/22	Sep9/22	Nov1/22	Jan4/23	Feb27/23	11/23	May19/23	
Janz	May	Sep	Nov	Jar	Feb2	Mar31/	May	
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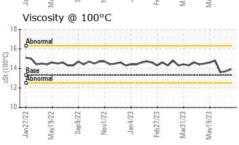


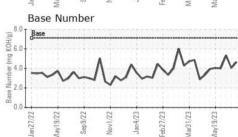
















Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: WC0840784 : 06027946 : 10777737

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

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

: 07 Dec 2023 : 10 Dec 2023 Diagnostician : Don Baldridge **EDL NA Recips-Pinconning** 

Pinconning Powerstation, 2403 E. Whitefeather Road Pinconning, MI US 48650

> Contact: DOUG HINE doug.hine@edlenergy.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)

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