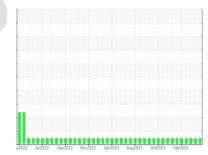


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

CHP2 (S/N 2209855) Biogas Engine

MOBIL PEGASUS 1005 (220 GAL)

ΔI	ЭΝ	-	-

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

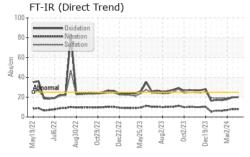
Fluid Condition

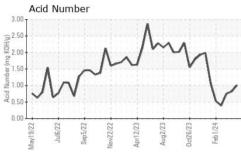
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

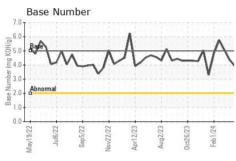
		yzozz Juizo.	ZZ SBDZUZZ NOVZUZZ	Apizoza Augzoza Ocizoza	F802024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0887497	WC0887495	WC06106293
Sample Date		Client Info		10 Apr 2024	26 Mar 2024	02 Mar 2024
Machine Age	hrs	Client Info		54071	53714	0
Oil Age	hrs	Client Info		1440	1083	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	2	2	3
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	3	4
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>10	2	<1	<1
Tin	ppm	ASTM D5185m	>5	 <1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		107	98	108
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		1	0	0
Magnesium	ppm	ASTM D5185m		11	10	24
Calcium	ppm	ASTM D5185m		1740	1708	1504
Phosphorus	ppm	ASTM D5185m		302	311	315
Zinc	ppm	ASTM D5185m		357	356	356
Sulfur	ppm	ASTM D5185m		2800	2798	2670
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>300	2	2	3
Sodium	ppm	ASTM D5185m		3	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	7.9	7.9	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	19.9	19.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	19.8	17.9
Acid Number (AN)	mg KOH/g	ASTM D8045		1.01	0.82	0.75
Base Number (BN)	mg KOH/g	ASTM D2896	5.0	3.92	4.36	5.06
	U J			-		

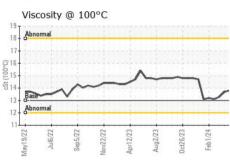


OIL ANALYSIS REPORT





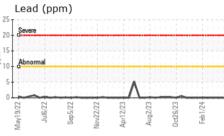


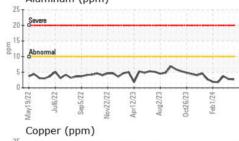


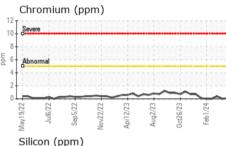
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

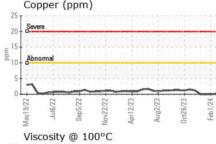
FLUID PROPER	IIIES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	13	13.8	13.7	13.3

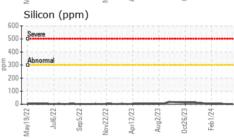
Seve	ere						
Ahn	om al						
AUII	ormal				~	~	\
1		<u> </u>	~				1
9/22	Jul6/22 -	5/22	2/22	2/23	2/23	6/23	Feb1/24
May19/22	Jul	Sep5/22	Vov22/22	Apr12/23	Aug2/23	0ct26/23	Feb

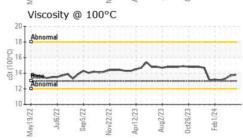


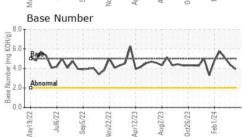
















Certificate 12367

Laboratory Sample No.

Lab Number : 06156187

: WC0887497 Unique Number : 10991610 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 24 Apr 2024 - Sean Felton

KB BIOENERGY INC 2677 RIVERVIEW RD AKRON, OH

US 44313 Contact: JASON SHICK jasons@kbbioenergy.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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (330)864-7023

T: