

## **OIL ANALYSIS REPORT**

### NORMAL

Machine Id

# **CAPTIS ENERGY ENG 1**

Component Natural Gas Engine Fluid MAHLER Q8 Mahler G8 SAE 40 (--- GAL)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

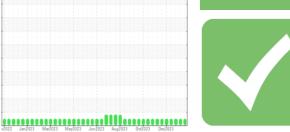
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### 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.

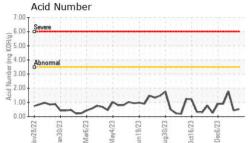


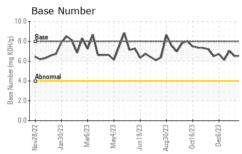
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914341	WC0914311	WC0914337
Sample Date		Client Info		06 May 2024	29 Apr 2024	15 Apr 2024
Machine Age	hrs	Client Info		21217	21051	20715
Oil Age	hrs	Client Info		609	442	107
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	3	4
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	2	2
Lead	ppm	ASTM D5185m	>20	1	0	1
Copper	ppm	ASTM D5185m	>15	1	<1	2
Tin	ppm	ASTM D5185m	>5	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	4
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		10	10	10
Calcium	ppm	ASTM D5185m		2382	2251	2342
Phosphorus	ppm	ASTM D5185m		458	425	426
Zinc	ppm	ASTM D5185m		511	467	484
Sulfur	ppm	ASTM D5185m		2775	2683	2529
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		3	7	3
Sodium	ppm	ASTM D5185m	>20	0	1	0
Potassium	ppm	ASTM D5185m	>20	3	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>2	0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.1	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>20	17.0	16.9	16.9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>20	13.3	13.2	12.6
Acid Number (AN)	mg KOH/g	ASTM D8045		0.53	0.43	1.774
Base Number (BN)	mg KOH/g	ASTM D2896	8.0	6.53	6.51	7.03

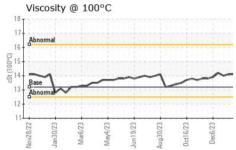


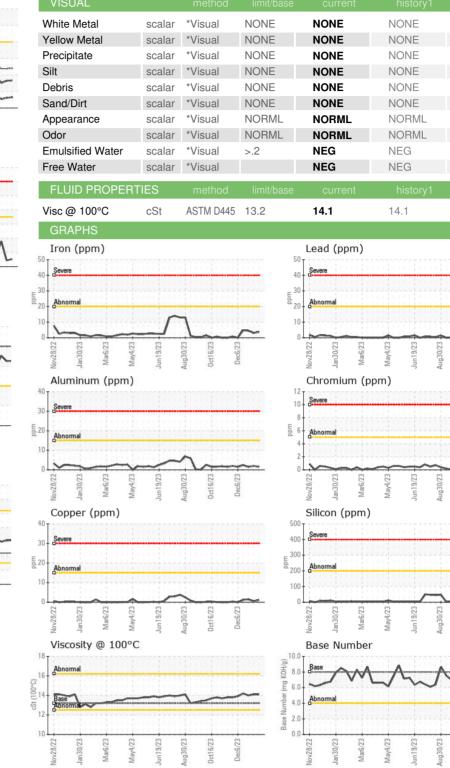
# **OIL ANALYSIS REPORT**











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 CUBE DISTRICT ENERGY Sample No. : WC0914341 Received :09 May 2024 1000 WINDWARD CONCOURSE SUITE 150 Lab Number : 06174048 Tested : 10 May 2024 ALPHARETTA, GA Unique Number : 11020101 Diagnosed : 10 May 2024 - Wes Davis US 30005 Test Package : MOB 2 Contact: ED LEWIS Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. ed.lewis@cubedistrictenergy.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: CUBALP [WUSCAR] 06174048 (Generated: 05/10/2024 09:22:00) Rev: 1

Contact/Location: ED LEWIS - CUBALP

Page 2 of 2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.0

Oct16/23

oct16/23

0ct16/73

lec6/73