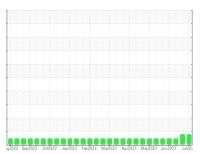


OIL ANALYSIS REPORT

Sample Rating Trend





CAPTIS ENERGY ENG 3 (S/N 1251399)

Component
Natural Gas Engine

Q8G8 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

The tin level is abnormal. All other 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.

11/2022 Smp2022 Ore2022 Jan2023 Fm2023 Fm2023 Mm2023 Apr2023 Jun2023 Jun2023 Jun2023 Jun2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0835629	WC0835626	WC0801824
Sample Date		Client Info		18 Jul 2023	11 Jul 2023	19 Jun 2023
Machine Age	hrs	Client Info		0	45980	18113
Oil Age	hrs	Client Info		0	0	5210
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	13	13	4
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	5	3
Lead	ppm	ASTM D5185m	>30	2	1	2
Copper	ppm	ASTM D5185m	>35	6	5	0
Tin	ppm	ASTM D5185m	>4	<u> </u>	<u>^</u> 7	<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		<1	0	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	1	1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	12	13
Calcium	ppm	ASTM D5185m		2794	2470	2717
Phosphorus	ppm	ASTM D5185m		476	448	543
Zinc	ppm	ASTM D5185m		572	521	661
Sulfur	ppm	ASTM D5185m		3577	3187	3392
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	59	55	14
Sodium	ppm	ASTM D5185m		18	18	2
Potassium	ppm	ASTM D5185m	>20	13	14	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.1	8.0	9.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	20.4	20.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	17.1	17.7
Acid Number (AN)	mg KOH/g	ASTM D8045		1.62	1.69	1.06
D N (DN)		AOTAL DOGGO		5 00	7.40	0.05

Base Number (BN) mg KOH/g ASTM D2896

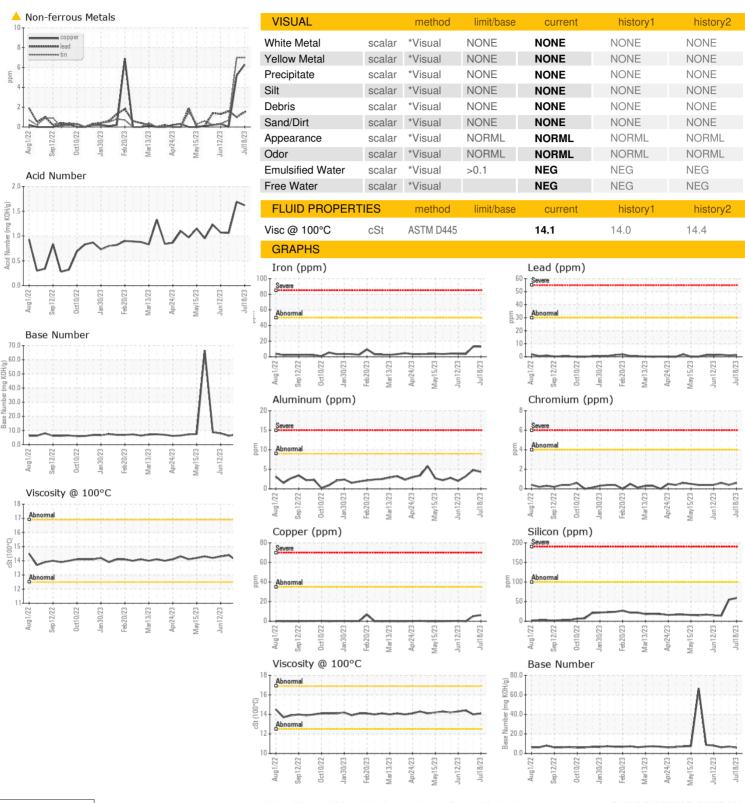
7.12

5.93

6.25



OIL ANALYSIS REPORT







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

: 05902878 : 10564234

: WC0835629 : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jul 2023 Diagnosed : 21 Jul 2023 Diagnostician

: Don Baldridge

CUBE DISTRICT ENERGY 1000 WINDWARD CONCOURSE SUITE 150

ALPHARETTA, GA US 30005

Contact: RYAN INGALLS

ryan.ingalls@cubedistrictenergy.com T: (217)433-4972

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)

Contact/Location: RYAN INGALLS - CUBALP

F: