

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

CAPTIS ENERGY ENG 1

Natural Gas Engine

MAHLER Q8 Mahler G8 SAE 40 (--- GAL)

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 oil.

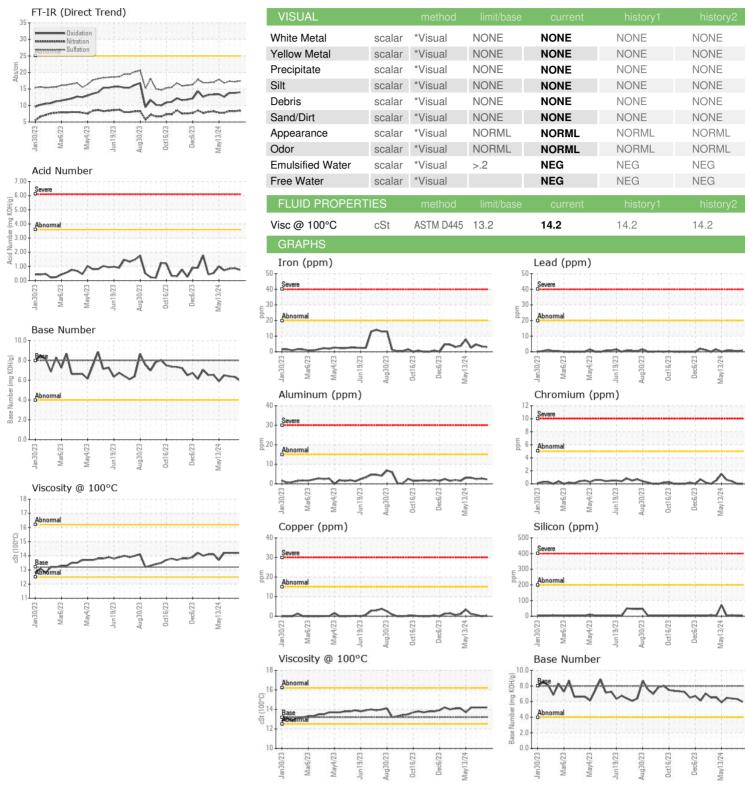
Fluid Condition

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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944697	WC0944699	WC0944700
Sample Date		Client Info		11 Jun 2024	03 Jun 2024	28 May 2024
Machine Age	hrs	Client Info		22066	21879	21737
Oil Age	hrs	Client Info		1458	1271	1129
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	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	3	3	5
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	3	2
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>15	<1	0	<1
Tin	ppm	ASTM D5185m	>5	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		15	8	11
Calcium	ppm	ASTM D5185m		2586	2717	2357
Phosphorus	ppm	ASTM D5185m		490	536	486
Zinc	ppm	ASTM D5185m		571	620	537
Sulfur	ppm	ASTM D5185m		3026	3242	2737
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	2	3	6
Sodium	ppm	ASTM D5185m	>20	1	1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>2	0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.4	8.3	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>20	17.4	17.2	17.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
						10.0
Oxidation	Abs/.1mm	*ASTM D7414	>20	14.0	13.8	13.8
			>20			
Oxidation Acid Number (AN) Base Number (BN)	Abs/.1mm mg KOH/g mg KOH/g	*ASTM D7414 ASTM D8045 ASTM D2896	>20	14.0 0.75 5.96	13.8 0.87 6.33	13.8 0.83 6.39



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Laboratory Sample No.

Lab Number : 06207993 Unique Number : 11075454

: WC0944697 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024

Tested : 14 Jun 2024 Diagnosed : 14 Jun 2024 - Wes Davis

CUBE DISTRICT ENERGY 1000 WINDWARD CONCOURSE SUITE 150

ALPHARETTA, GA US 30005

Contact: ED LEWIS ed.lewis@cubedistrictenergy.com

Certificate 12367 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)

Report Id: CUBALP [WUSCAR] 06207993 (Generated: 06/14/2024 01:39:17) Rev: 1

Contact/Location: ED LEWIS - CUBALP

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