

OIL ANALYSIS REPORT





Machine Id **JENBACHER GM03** Component **Gearbox**

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

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.

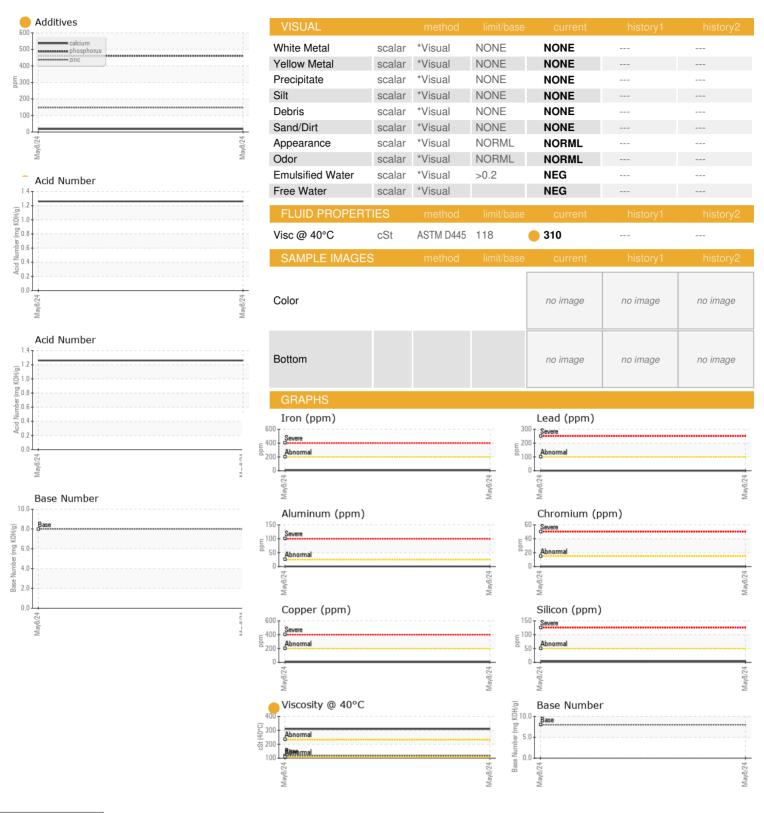
Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

6 SAE 40 (GA	L)			May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0852945		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		51574		
Oil Age	hrs	Client Info		459		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	8		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>100	0		
Copper	ppm	ASTM D5185m	>200	4		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		26		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		66		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		1		
Calcium	ppm	ASTM D5185m		<u> </u>		
Phosphorus	ppm	ASTM D5185m		461		
Zinc	ppm	ASTM D5185m		<u> </u>		
Sulfur	ppm	ASTM D5185m		7879		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	4		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.26		



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Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06175679

: WC0852945 Unique Number : 11021732

Received **Tested** Diagnosed

: 10 May 2024 : 14 May 2024

: 14 May 2024 - Don Baldridge

PINE RIDGE 105 BAILEY JESTER RD GRIFFIN, GA US 30224

Test Package : MOB 2 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: STEPHEN SAVAGE stephen.savage@cubedistrictenergy.com T:

 st - 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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