

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id JENBACHER GM02 Component

Gearbox

Q8 G8 COOL PREMIXED 40/60 (--- GAL)

DIAGNOSIS	

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.

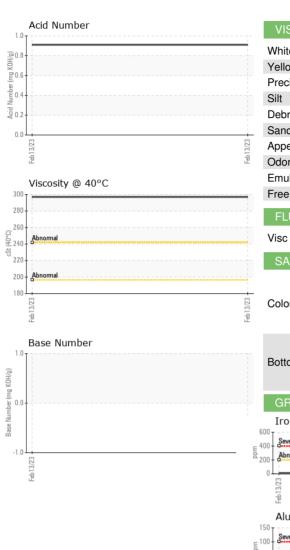
Fluid Condition

The 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		WC0721872		
Sample Date		Client Info		13 Feb 2023		
Machine Age	hrs	Client Info		43407		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	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	5		
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	0		
Tin	ppm	ASTM D5185m	>25	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		21		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		31		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		8		
Calcium	ppm	ASTM D5185m		10		
Phosphorus	ppm	ASTM D5185m		473		
Zinc	ppm	ASTM D5185m		25		
Sulfur	ppm	ASTM D5185m		9045		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	6		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.91		



OIL ANALYSIS REPORT



Visc @ 40°C Cst ASTM D445 297		-	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar Visual NONE NONE	1		White Metal	scalar	*Visual	NONE	LIGHT		
Silt scalar 'Visual NONE NONE			Yellow Metal	scalar	*Visual	NONE	NONE		
Site scalar Visual NONE				scalar	*Visual	NONE			
Debris scalar 'Visual NONE Light SandDirt scalar 'Visual NONE NORM Scalar 'Visual NORML Appearance scalar 'Visual NORML Appearance scalar 'Visual NORML NORML Codor scalar 'Visual >0.2 NEG Fiee Water scalar 'Visual >0.2 NEG SAMPLE IMAGES method limitbase current Fistory1 History1 Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C cSt ASTM D45 297 SAMPLE IMAGES method limitbase current Fistory1 History Visc @ 40°C core Sample No. Copper (ppm) Demond				scalar	*Visual	NONE	NONE		
Sand Drift Scalar "Visual NORML NORM NORML									
Appearance scalar 'Visual NORML NORML NORML NORML									
Emulsified Water scalar Visual >0.2 NEG	- 501	_							
Envisible Water scalar 'Visual >0.2 NEG		3							
Free Water scalar "Visual NEG FLUID PROPERTIES method imitbase ourrent history1 history1 Visc @ 40°C cst ASTM 0445 297 SAMPLE IMAGES method imitbase ourrent history1 history1 Nistory1 history1 Nistory1 history1 Nistory1 history1 no image no image n									
FLUID PROPERTIES method limitbase current history1 history1 Viso @ 40°C cS1 ASTM D445 297		. 1							
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Bottom no image Aluminum (ppm) Image Aluminum (ppm) Image			SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Image: Second State Sta	Feirl 13/23	C7/C1021	Color				no image	no image	no image
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0721872 Recieved :: 27 Feb 2023 Sample No. : WC0721872 Recieved :: 27 Feb 2023 Denotes test methods that are outside of the ISO 17025 scope of accreditation. tements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)			Bottom				no image	no image	no image
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Aluminum (ppm) Aluminum (ppm)		20							
Aluminum (ppm) Aluminum (ppm)			3/23			3/23	3/23		
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