

OIL ANALYSIS REPORT



Machine Id 8 MILL Component Discharge Trunnion Bearing Fluid SHELL OMALA S2 GX 320 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

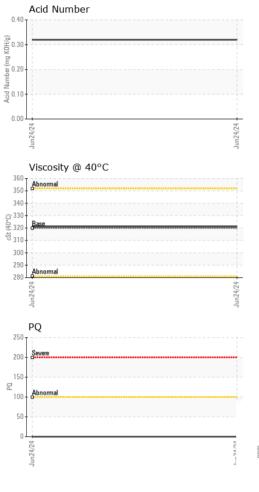
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0898806		
Sample Date		Client Info		24 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>20	3		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>20	1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>20	<1		
Lead	ppm	ASTM D5185(m)	>20	1		
Copper	ppm	ASTM D5185(m)	>20	2		
Tin	ppm	ASTM D5185(m)	>20	0		
Antimony	ppm	ASTM D5185(m)		<1		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	6.2	<1		
Barium	ppm	ASTM D5185(m)	0.0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	0	<1		
Calcium	ppm	ASTM D5185(m)	0.0	2		
Phosphorus	ppm	ASTM D5185(m)	290	160		
Zinc	ppm	ASTM D5185(m)	3.8	20		
Sulfur	ppm	ASTM D5185(m)	8167	6822		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.32		



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VISUAL		method				history2
White Metal	scalar	Visual*	NONE	VLITE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	320	321		
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
	9	method				motoryz
. .						
Color					no image	no image
				the second		
Bottom					no image	no image
GRAPHS				DO.		
Ferrous Alloys			220	PQ		
8 - iron			200	Severe		
6 - nickel						
4-			180			
2-			160			
0 - 45			140	•		
Jun24/24			120 Tech			
	1-		루 문 100	Abnormal		
Non-ferrous Metal	IS		80			
copper						
6			60			
4			40			
2			20			
54 24			0			
Jun24/24			Jun24/24	Jun 24/24		
			Ĩ			
Viscosity @ 40°C			0.40	Acid Number		
Abnormal			(B/HC			
			₩ 0.30	1		
0 - Base			B E			
			لللل الله الم			
D +			b la 0.20 g m N 0.10	-		
Abnormal			(b)HQ3 0.30 b)HQ3 0.30 b) 0.20 b) 0.20 b) 0.10 b) 0.00 b) 0.00b) 0.0			
Abnormal			n24/24 6000 Acid Number (mg	n24/24		
Ahnomal			0.00 423424 9000 4234 9000	Jun24/24		
Pure Paramateria Param Anamateria Paramateria Paramate	5 Applobu		Jun24/24		Vala	
/earCheck - C8-1175			gton, ON L7L			Clarabelle M
/earCheck - C8-1175	5 Appleby Receiv Tested	ved : 02	Jun24/24		MTW (Mill,T	Clarabelle M ailings&Wate ER CLIFF, O
/earCheck - C8-1175 /C0898806 2645010	Receiv	ved : 02 d : 04	bgton, ON L7L 2 Jul 2024	_ 5H9	MTW (Mill,T	Clarabelle M ailings&Wate ER CLIFF, O
/earCheck - C8-1175	Receiv Testeo Diagn	ved : 02 d : 04 osed : 04	gton, ON L7L 2 Jul 2024 4 Jul 2024 Jul 2024 - Kevi	_ 5H9	MTW (Mill,T COPP Contact	Clarabelle M

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CALA

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Laboratory

Sample No. Lab Number

Unique Number Test Package