

PROBLEM SUMMARY

Sample Rating Trend

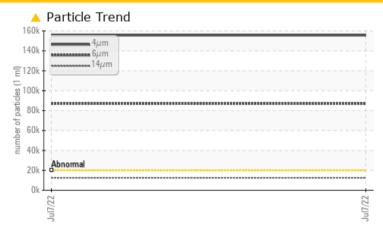
ISO



FL-30 Component Gearbox

SHELL MORLINA S4 B 220 (1 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL						
Particles >4µm	ASTM D7647	>20000	155613						
Particles >6μm	ASTM D7647	>5000	A 86960						
Particles >14µm	ASTM D7647	>640	12505						
Particles >21µm	ASTM D7647	>160	2753						
Particles >38μm	ASTM D7647	>40	<u></u> ▲ 51						
Oil Cleanliness	ISO 4406 (c)	>21/19/16	<u> </u>						

Customer Id: MONHAL Sample No.: SBP0000920 Lab Number: 05593707 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

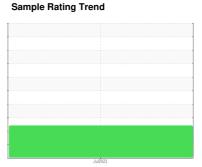
To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS								
Action	Status	Date	Done By	Description				
Change Filter			?	We recommend you service the filters on this component if applicable.				

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT





Machine Id **FL-30** Component

Gearbox

SHELL MORLINA S4 B 220 (1 GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

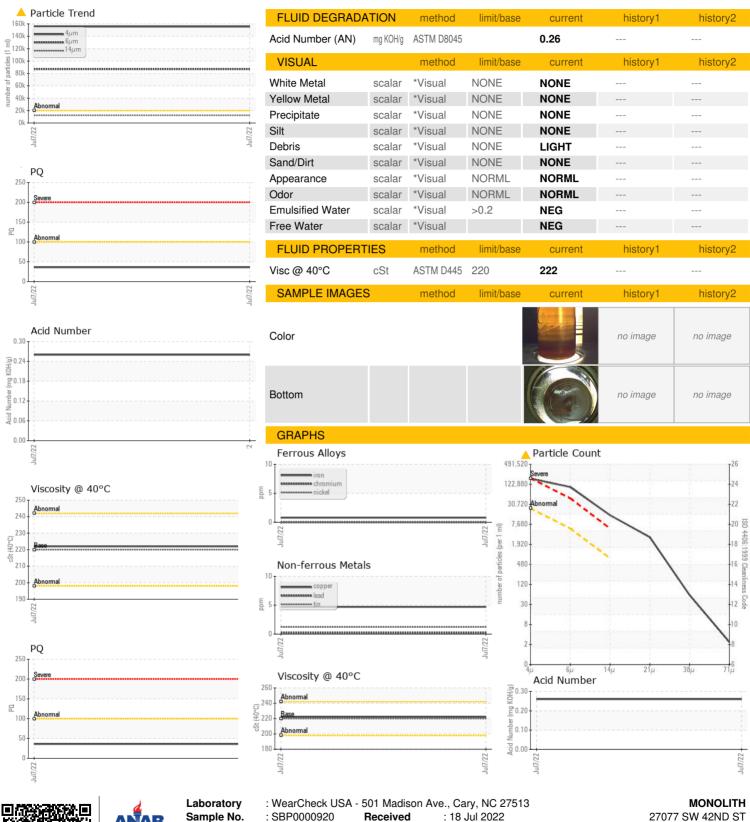
Fluid Condition

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

				Jul2022		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number	711011	Client Info	III III Dasc	SBP0000920	Thiotory i	1110101 y 2
Sample Date		Client Info		07 Jul 2022		
Machine Age	yrs	Client Info		2		
Oil Age	yrs	Client Info		1		
Oil Changed	,	Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	1	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		36		
Iron	ppm	ASTM D5185m	>200	<1		
Chromium	ppm	ASTM D5185m	>15	0		
Nickel	ppm	ASTM D5185m	>15	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m	>200	5		
Tin	ppm	ASTM D5185m	>25	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
			IIIIIIVDase			
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		5		
Calcium	ppm	ASTM D5185m		6		
Phosphorus	ppm	ASTM D5185m		57		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		237		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	16		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>20000	<u> </u>		
Particles >6µm		ASTM D7647	>5000	A 86960		
Particles >14µm		ASTM D7647	>640	<u> </u>		
Particles >21µm		ASTM D7647	>160	<u> </u>		
Particles >38µm		ASTM D7647	>40	<u> </u>		
Particles >71µm		ASTM D7647	>10	2		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	24/24/21		



OIL ANALYSIS REPORT





Certificate L2367

Sample No. Lab Number **Unique Number**

: 05593707

: SBP0000920 : 10058187 Test Package : PLANT

: 18 Jul 2022 Received Diagnosed : 20 Jul 2022

Diagnostician : Jonathan Hester

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)

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