

## Area Concorde Precision Machining - 888105 RB059

Unknown Component Fluid SHELL TONNA 220 (--- GAL)

### DIAGNOSIS

#### A Recommendation

The sample submitted is 2 times dirtier than the ISO dirt count recommendation of 19/16/14.

#### Contamination

Oil Cleanliness are abnormally high. Particles >6 $\mu$ m are abnormally high. Particles >14 $\mu$ m are notably high. Particles >4 $\mu$ m are notably high.

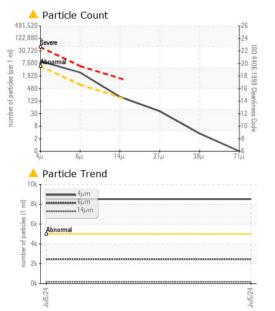
SAMPLE INFORM			line it /le e e e		la internet	history O
	ATION	method	limit/base		history1	history2
Department		Client Info		Sales		
Sample From		Client Info		Drum		
Production Stage		Client Info		Virgin		
Sent to WC		Client Info		07/10/2024		
Sample Number		Client Info		E30002606		
Sample Date		Client Info		05 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		<1		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		<1		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		<1		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		0		
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)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		2		
Phosphorus	ppm	ASTM D5185(m)		222		
Zinc	ppm	ASTM D5185(m)		2		
Sulfur	ppm	ASTM D5185(m)		3469		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		2		
Sodium	ppm	ASTM D5185(m)		- <1		
Potassium	ppm	ASTM D5185(m)	>20	0		
Water	%	ASTM D6304*		0.001		
ppm Water	ppm	ASTM D6304*		12		

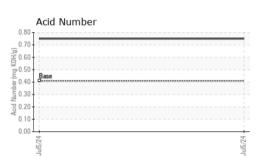
ISO Južiti

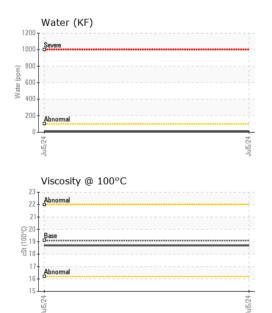
Sample Rating Trend



# **OIL ANALYSIS REPORT**

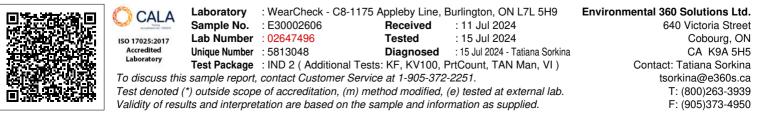






FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	8522		
Particles >6µm		ASTM D7647	>640	<u> </u>		
Particles >14µm		ASTM D7647	>160	<b>e</b> 168		
Particles >21µm		ASTM D7647	>40	35		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/16/14	<b>A</b> 20/18/15		
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.41	0.75		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*		NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	217.1	217		
Visc @ 100°C	cSt	ASTM D7279(m)	19.1	18.7		
Viscosity Index (VI)	Scale	ASTM D2270*	99	95		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image

Bottom



Report Id: CHECOB [WCAMIS] 02647496 (Generated: 07/15/2024 13:20:01) Rev: 1

Contact/Location: Tatiana Sorkina - CHECOB

no image

no image