

# **OIL ANALYSIS REPORT**

# Infasco - 102400 A2404066

Unknown Component

{not provided} (--- GAL)

# Sample Rating Trend NORMAL

## Recommendation

We certify that this oil is clean, that the additives are at acceptable levels, and that it is suitable for use.

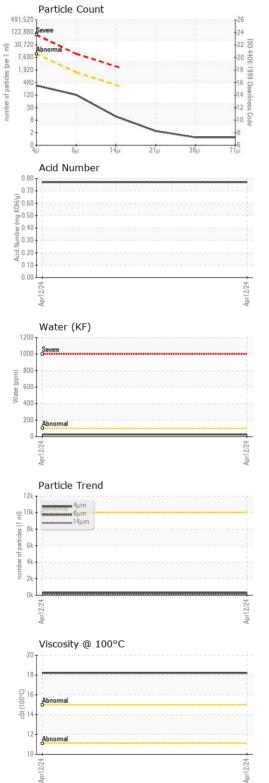
## Wear

Copper ppm levels are noted.

			,	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Batch #		Client Info		2024 03 0332		
Department		Client Info		Production		
Sample From		Client Info		Machine		
Production Stage		Client Info		Final		
Sent to WC		Client Info		04/12/2024		
Sample Number		Client Info		E30001842		
Sample Date		Client Info		12 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		16		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		4		
Titanium	ppm	ASTM D5185(m)		0		
Silver		ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		۰ <1		
Lead	ppm	ASTM D5185(m)		4		
Copper	ppm	ASTM D5185(m)		<del>4</del> 178		
	ppm	1		0		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)				
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		U		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		3		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		62		
Calcium	ppm	ASTM D5185(m)		673		
Phosphorus	ppm	ASTM D5185(m)		481		
Zinc	ppm	ASTM D5185(m)		463		
Sulfur	ppm	ASTM D5185(m)		2944		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0		
Sodium	ppm	ASTM D5185(m)		10		
Potassium	ppm	ASTM D5185(m)	>20	4		
Water	%	ASTM D6304*	-	0.002		
ppm Water	ppm	ASTM D6304*		25		



# **OIL ANALYSIS REPORT**



FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	301		
Particles >6µm		ASTM D7647	>1300	108		
Particles >14µm		ASTM D7647	>320	10		
Particles >21µm		ASTM D7647	>80	2		
Particles >38µm		ASTM D7647	>20	1		
Particles >71μm		ASTM D7647	>4	1		
Oil Cleanliness		ISO 4406 (c)	>20/17/15	15/14/10		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.77		
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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		190		
Visc @ 100°C	cSt	ASTM D7279(m)		18.2		
Viscosity Index (VI)	Scale	ASTM D2270*		105		
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				Max. 80.	no image	no image



**CALA** ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02628860 Unique Number : 5761992

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : E30001842 : 15 Apr 2024

Received **Tested** : 16 Apr 2024 Diagnosed : 24 Apr 2024 - Tatiana Sorkina

Test Package : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI ) To discuss this sample report, contact Customer Service at 1-905-372-2251.

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.

Environmental 360 Solutions Ltd.

640 Victoria Street Cobourg, ON CA K9A 5H5

Contact: Tatiana Sorkina tsorkina@e360s.ca T: (800)263-3939

F: (905)373-4950