

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

# Area FSE TURBOCOOL ISO 32 B6EV2E100-2 Component Compressor

#### 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.

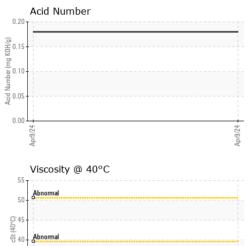
SAMPLE INFORM	<b>/IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06159262		
Sample Date		Client Info		09 Apr 2024		
Machine Age	hrs	Client Info		45046		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		232		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		5		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.18		



Abnormal

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VISUAL		method				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	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
			limit/base		history1	history2
	5	method	innin base		This tory I	THSTOLY Z
Color					no image	no image
Bottom					no image	no image
Non-ferrous Metal	S		40/9/24 House 100	Acid Number		
(0.045 (3.045)			10 0.15 10 0.10 10 0.10	-		
30						
Apr9/24			Apr9/24	Apr9/2'		AC ProA
: WearCheck USA - 50 : UCH06159262 : 06159262	Rece	ived : 24		RASM	655 2	<b>GAS ENERG`</b> 40TH STREE <sup>*</sup> ATERLOO, NI
	White Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Viscosity @ 40°C Source and a state of the s	White Metal scalar Yellow Metal scalar Precipitate scalar Silt scalar Debris scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Full D PROPERTIES Visc @ 40°C cSt SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Ferrous Metals Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Same time time time time time time time ti	White Metal scalar *Visual Yellow Metal scalar *Visual Precipitate scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom GRAPHS Ferrous Alloys Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Viscosity @ 40°C Same and the scalar *Visual Preceived : 24 Preceived : 24 Same and the scalar *Visual Preceived : 24 Same and the scalar *Visual Preceived : 24 Color	White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Precipitate scalar *Visual NONE Sitt scalar Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NORML Codor scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual Scalar *Visual NORML Emulsified Water scalar *Visual NORML Emulsified Water scalar *Visual *Scalar *Scalar *Visual *Scalar	White Metal scalar Visual NONE NONE Precipitate scalar Visual NONE NONE Stit Scalar Visual NONE NONE Sand/Dirt scalar Visual NONE NONE Appearance scalar Visual NONE NONE Appearance scalar Visual NORML NORML Cdor scalar Visual NORML NORML Emulsified Water scalar Visual NORML NORML Cdor cst ASTM D445 35.7 SAMPLE IMAGES method Imit/base current Visc @ 40°C cSt ASTM D445 35.7 SAMPLE IMAGES method Imit/base current Color Bottom On-ferrous Metals Viscosity @ 40°C Viscosity @ 40	White Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Sitt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Tree Water scalar *Visual NORML NORML Visc@ 40°C cst ASTM D445 35.7 SAMPLE IMAGES method imitbase current history1 Color from no image GRAPHS Ferrous Alloys  Viscosity @ 40°C 

Contact/Location: CHASE SVOBODA - UCRASWAT