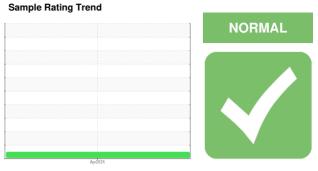


# **OIL ANALYSIS REPORT**

SYNOIL 8K 4141X698 - MURPHY CONCRETE

Component Compressor



### DIAGNOSIS

#### Recommendation

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of visible silt present in the sample.

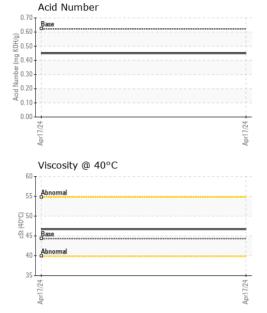
### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCZ06159261		
Sample Date		Client Info		17 Apr 2024		
Machine Age	hrs	Client Info		14574		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
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	9		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	2		
Lead	ppm	ASTM D5185m	>65	<1		
Copper	ppm	ASTM D5185m	>65	1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	0		
Barium	ppm	ASTM D5185m	0.3	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m	0.9	<1		
Magnesium	ppm	ASTM D5185m	0.2	1		
Calcium	ppm	ASTM D5185m	0.1	5		
Phosphorus	ppm	ASTM D5185m	429	480		
Zinc	ppm	ASTM D5185m	0.3	6		
Sulfur	ppm	ASTM D5185m	1336	2042		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	2		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.45		



# **OIL ANALYSIS REPORT**



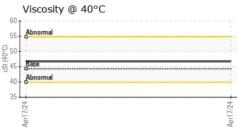
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	MODER		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.32	46.7		
SAMPLE IMAGES		method	limit/base	current	history1	history2

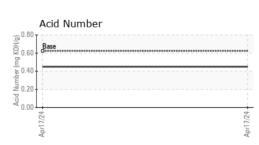
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E	Bottom		no image	no image
	GRADUS			

# Ferrous Alloys













Certificate 12367

Laboratory

Sample No.

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06159261

: UCZ06159261 Unique Number : 10994684

Received : 24 Apr 2024 **Tested** Diagnosed

: 25 Apr 2024 : 26 Apr 2024 - Jonathan Hester

**ZORN COMP & EQUIPMENT CO (GB)** 733 POTTS AVE GREEN BAY, WI US 54304

Contact: DEAN SCHAD dean.schad@zornair.com T: (920)391-8121

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) Contact/Location: DEAN SCHAD - UCZORGRE

Report Id: UCZORGRE [WUSCAR] 06159261 (Generated: 04/26/2024 10:16:13) Rev: 1

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