

## **OIL ANALYSIS REPORT**

Area NOT GIVEN [CSA906] KAISHAN 410638 - 10103863 - OTC

Component Compressor

## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## Wear

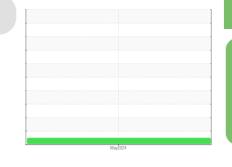
All component wear rates are normal.

#### 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 Rating Trend

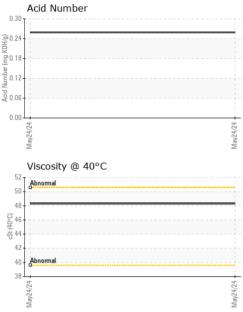


NORMAL

SAMPLE INFORM	<b>NATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06207949		
Sample Date		Client Info		24 May 2024		
Machine Age	hrs	Client Info		5503		
Oil Age	hrs	Client Info		308		
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	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	0		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		5		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.259		



# **OIL ANALYSIS REPORT**



	VISUAL		method	limit/base	e 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			
May24/24	Appearance	scalar	*Visual	NORML	NORML			
Ma	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT	IES	method	limit/base	e current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445		48.3			
	SAMPLE IMAGES	5	method	limit/base	e current	history1	history2	
May24/24 +	Color				•	• no image	no image	
	Bottom					no image	no image	
	Non-ferrous Metal	S		May24/24				
	2 1 t <sup>2</sup> t <sup>2</sup>			May24/24	Acid Numbe	r		
	55 50 50 45 45 40 35				0.30 0.24 0.18 0.12 0.06 0.00			
Unique Number	: UCH06207949 : <mark>06207949</mark> : 11075410	Rece Teste	Madison Ave., Cary, NC 27513 <b>Received</b> : 12 Jun 2024 <b>Tested</b> : 14 Jun 2024 <b>Diagnosed</b> : 14 Jun 2024 - Wes Davis			AIR TECHNOLOGIES INC (LOL 1302 N ENGLISH STATION R LOUISVILLE, K US 40223-228 Contact: BBYAN BEN IAMI		
Denotes test methods that	: IND 2 Contact: BRYAN BENJA , contact Customer Service at 1-800-237-1369. bryan.benjamin@aircompressors. are outside of the ISO 17025 scope of accreditation. T: (502)253-6 pecifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (502)254-2							

Report Id: UCAIRLOU [WUSCAR] 06207949 (Generated: 06/14/2024 00:16:25) Rev: 1

Contact/Location: BRYAN BENJAMIN - UCAIRLOU