

OIL ANALYSIS REPORT

Sample Rating Trend



Area COMPAIR PLUS QUINCY 850393

Component Compressor

DIAGNOSIS

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.

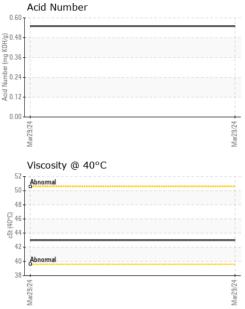
Fluid Condition

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

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06138671		
Sample Date		Client Info		29 Mar 2024		
Machine Age	hrs	Client Info		24078		
Oil Age	hrs	Client Info		650		
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	2		
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		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		300		
Zinc	ppm	ASTM D5185m		19		
Sulfur	ppm	ASTM D5185m		1125		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
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		0.55		



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	Yellow Metal Precipitate	scalar scalar	*Visual *Visual	NONE NONE	NONE NONE			
	Silt	scalar	*Visual	NONE	NONE			
	Debris	scalar	*Visual	NONE	NONE			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
9/24	Appearance	scalar	*Visual	NORML	NORML			
Mar29,24	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT	TIES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445		43.0			
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2	
Mar29/24 +	Color					no image	no image	
	Bottom					no image	no image	
	GRAPHS							
	Ferrous Alloys							
	iron							
	E 6 nickel							
	ä 4							
	2							
	- Mar29/24 -			Mar29/24				
	Mar2			Mar2				
	Non-ferrous Metal	s						
	copper							
	E 6+							
	2			-				
	9/24	*******	*****************	9/24				
	Mar29,24			Mar29/24				
	Viscosity @ 40°C				Acid Number			
	55 Abnormal			(^{0.60})Hoy 0.48	Τ			
	50+			Q 0.48				
	(J-0+) 45 -							
	40 Abnormal			0.36 0.24 W 0.12 V 0.00 V 0.00				
	35						4	
	Mar29/24			Mar29/24	Mar29/24		40,05/EM	
Laboratory		Receiv	adison Ave., Cary, NC 27513 Received : 04 Apr 2024 Fested : 05 Apr 2024 Diagnosed : 06 Apr 2024 - Don Baldridge at 1-800-237-1369.			COMPRESSED AIR EQUIPMENT 111 CLINTON AVE PITMAN, N US 08071 Contact: BRIAN HAMILTON brianh@compressedairequip.com		

Contact/Location: BRIAN HAMILTON - UCCOMPIT