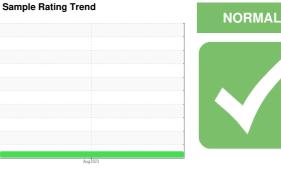


OIL ANALYSIS REPORT

LSS-9300 [000831] Machine Id SULLAIR 003-79127 - PARKDAL 21

Component

Compressor



DIAGNOSIS

Recommendation

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 no indication of any contamination in the

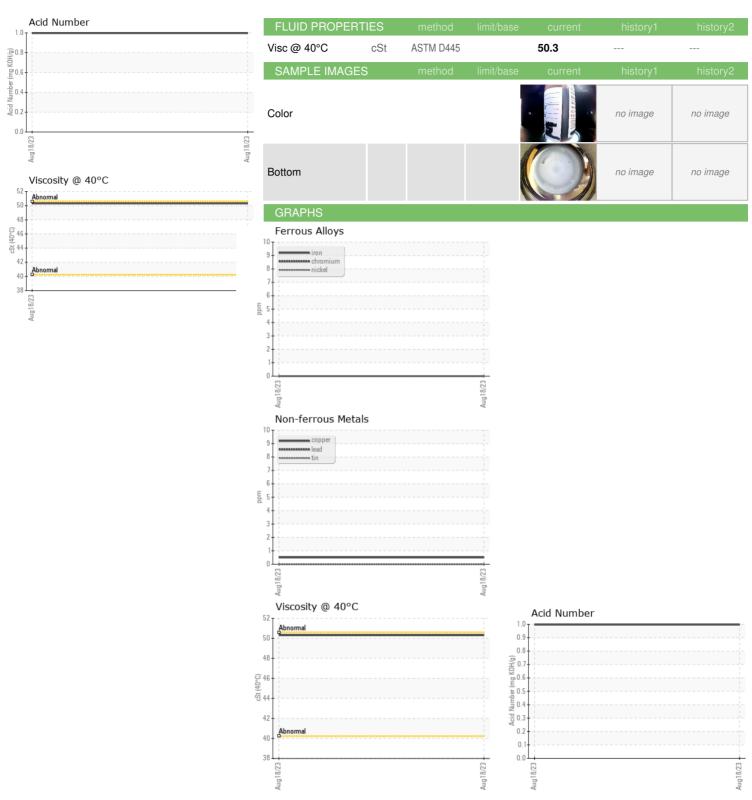
Fluid Condition

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

SAMPLE INFORMATION					Aug2023		
Sample Number Client Info UCH05962969 Sample Date Client Info 18 Aug 2023 Machine Age hrs Client Info 5736 Oil Age hrs Client Info 5736 Oil Changed Client Info N/A Sample Status	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Date					IICH05962969		
Machine Age hrs Client Info 16202	•						
Dil Age	•	hrs			•		
Cilient Info			0.10110 11110				
NORMAL		1110					
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 0			Oliciti iilio				
Chromium	·	_	and the sale	Parallella and		lete te med	h'ata O
Chromium						nistory i	nistory2
Nickel		ppm					
Titanium		ppm		>10	-		
Silver	Nickel	ppm					
Aluminum	Titanium	ppm	ASTM D5185m		0		
Lead	Silver	ppm	ASTM D5185m		0		
Copper ppm ASTM D5185m >50 -11 Tin ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 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 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 124 Zinc ppm ASTM D5185m 224 Sulfur ppm ASTM D5185m 225 0 </td <td>Aluminum</td> <td>ppm</td> <td></td> <td>>25</td> <td></td> <td></td> <td></td>	Aluminum	ppm		>25			
Tin	Lead	ppm			0		
Vanadium 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 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 124 Sulfur ppm ASTM D5185m 224 Sulfur ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Copper	ppm	ASTM D5185m	>50	<1		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Molybdenum 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 24 Zinc ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m 225 0 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m	Tin	ppm	ASTM D5185m	>15			
ADDITIVES	Vanadium	ppm	ASTM D5185m		0		
Boron ppm ASTM D5185m 0	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 124 Phosphorus ppm ASTM D5185m 24 Zinc ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m 226 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Boron	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 24 Zinc ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m 226 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Barium	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 124 Phosphorus ppm ASTM D5185m 24 Zinc ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m 226 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Molybdenum	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 124 Zinc ppm ASTM D5185m 24 Sulfur ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Manganese	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 124 Zinc ppm ASTM D5185m 24 Sulfur ppm ASTM D5185m 226 Sulfur ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Magnesium	ppm	ASTM D5185m		0		
Zinc	Calcium	ppm	ASTM D5185m		0		
Zinc ppm ASTM D5185m 24 Sulfur ppm ASTM D5185m 226 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.997 VISUAL method limit/base current history1 history2 VISUAL method limit/base current history1 history2 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual	Phosphorus	ppm	ASTM D5185m		124		
Sulfur ppm ASTM D5185m 226 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m >20 <1	Zinc	ppm	ASTM D5185m		24		
Silicon ppm ASTM D5185m >25 0 Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 <1 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.997 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 NORML NORML Appearance <td>Sulfur</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>226</td> <td></td> <td></td>	Sulfur	ppm	ASTM D5185m		226		
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 <1	CONTAMINANTS	3	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m <1 Potassium ppm ASTM D5185m >20 <1	Silicon	nnm	ASTM D5185m	>25	0		
Potassium ppm ASTM D5185m >20 <1 FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.997 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water				720	-		
Acid Number (AN) mg KOH/g ASTM D8045 0.997 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Potassium			>20			
Acid Number (AN) mg KOH/g ASTM D8045 0.997 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 NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	FLUID DEGRAD	ATION	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 LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG	Acid Number (AN)						
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual >0.1 NEG	VISUAL		method	limit/base	current	history1	history2
Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT 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		scalar					
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE LIGHT 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							
Silt scalar *Visual NONE LIGHT 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							
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	·						
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG							
Appearance scalar *Visual NORML NORML COdor scalar *Visual NORML NORML CEmulsified Water scalar *Visual >0.1 NEG							
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG							
Emulsified Water scalar *Visual >0.1 NEG	• •						
				70.1			



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: UCH05962969 : 05962969 Unique Number : 10669520 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Sep 2023

Diagnosed : 28 Sep 2023 Diagnostician : Doug Bogart

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)

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