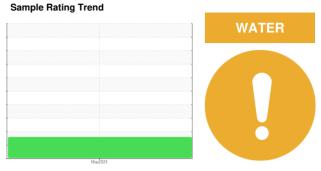


# **OIL ANALYSIS REPORT**

NOT GIVEN KAISHAN 181904806U

Component Compressor



### Recommendation

We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample.

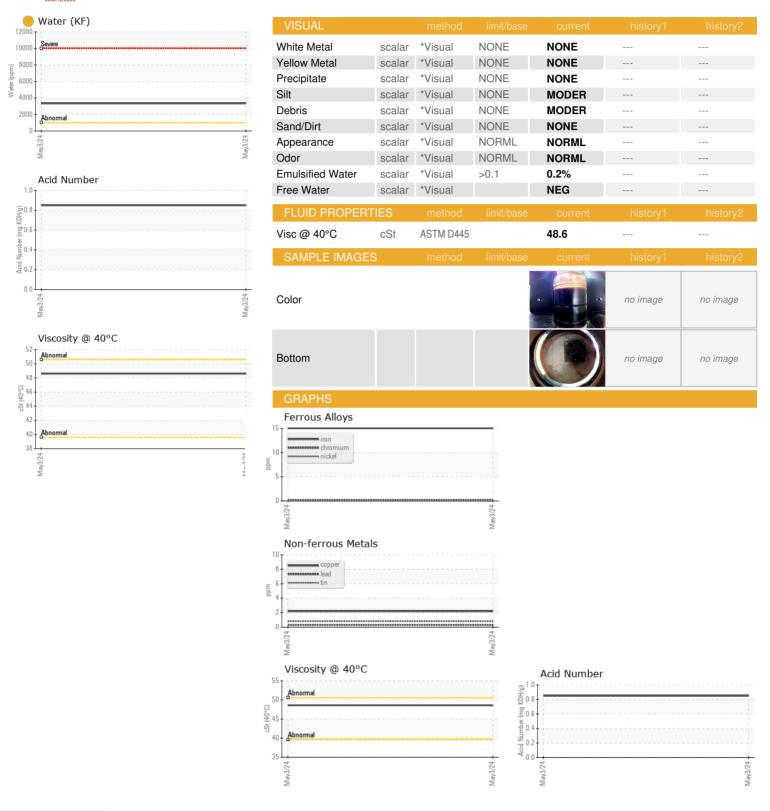
## **Fluid Condition**

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

Sample Number   Client Info   UHC06185170       Sample Date   Client Info   03 May 2024							
Sample Date   Client Info   03 May 2024       Machine Age   hrs   Client Info   16110         Client Info   16110       Client Info   16110       Client Info   7842         Client Info   N/A       Client Info   N/A	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         16110	Sample Number		Client Info		UHC06185170		
Oil Age         hrs         Client Info         7842             Oil Changed         Client Info         N/A             Sample Status         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         15             Chromium         ppm         ASTM D5185m         >10         <1             Chromium         ppm         ASTM D5185m         >10         <1             Nickel         ppm         ASTM D5185m         >10         <1             Silver         ppm         ASTM D5185m         <1             Aluminum         ppm         ASTM D5185m         >25         1             Aluminum         ppm         ASTM D5185m         >25         1             Lead         ppm         ASTM D5185m         >50         2             Copper         ppm         ASTM D5185m         >50         2	Sample Date		Client Info		03 May 2024		
Oil Changed Sample Status         Client Info         N/A             WEAR METALS         method         limit/base         current         history1         history1           Iron         ppm         ASTM D5185m         >50         15             Chromium         ppm         ASTM D5185m         >10         <1	Machine Age	hrs	Client Info		16110		
Nample Status	Oil Age	hrs	Client Info		7842		
WEAR METALS         method         limit/base         current         history1         nistory1           Iron         ppm         ASTM D5185m         >50         15             Chromium         ppm         ASTM D5185m         >10         <1	Oil Changed		Client Info		N/A		
Iron	Sample Status				ATTENTION		
Chromium         ppm         ASTM D5185m         >10         <1             Nickel         ppm         ASTM D5185m         0             Titanium         ppm         ASTM D5185m         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	15		
Titanium	Chromium	ppm	ASTM D5185m	>10	<1		
Silver	Nickel	ppm	ASTM D5185m		0		
Aluminum         ppm         ASTM D5185m         >25         1             Lead         ppm         ASTM D5185m         >25         <1	Titanium	ppm	ASTM D5185m		<1		
Lead	Silver	ppm	ASTM D5185m		<1		
Copper         ppm         ASTM D5185m         >50         2             Tin         ppm         ASTM D5185m         >15         <1	Aluminum	ppm	ASTM D5185m	>25	1		
Tin         ppm         ASTM D5185m         >15         <1             Vanadium         ppm         ASTM D5185m         c1             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history3           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         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         >25         3	Lead	ppm	ASTM D5185m	>25	<1		
Vanadium         ppm         ASTM D5185m         <1             Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history3           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         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         20             CONTAMINANTS         method         limit/base         current         history1         h	Copper	ppm	ASTM D5185m	>50	2		
Cadmium         ppm         ASTM D5185m         0             ADDITIVES         method         limit/base         current         history1         history3           Boron         ppm         ASTM D5185m         0             Barium         ppm         ASTM D5185m         0             Molybdenum         ppm         ASTM D5185m         0             Magnaese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history3           Silicon         ppm         ASTM D5185m         >25         3 <t< td=""><td>Tin</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;15</td><td>&lt;1</td><td></td><td></td></t<>	Tin	ppm	ASTM D5185m	>15	<1		
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         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         >20	Vanadium	ppm	ASTM D5185m		<1		
Boron   ppm   ASTM D5185m   0	Cadmium	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         378             Phosphorus         ppm         ASTM D5185m         20             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000<	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         0             Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         >20         1             Potassium         ppm         ASTM D6304         >0.1         0.3344             Water         %         ASTM D6304         >1000         3340							
Manganese         ppm         ASTM D5185m         0             Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         >25         3             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Boron	ppm	ASTM D5185m		0		
Magnesium         ppm         ASTM D5185m         0             Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history1           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm         ASTM D6304         >1000         3340							
Calcium         ppm         ASTM D5185m         0             Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Barium	ppm	ASTM D5185m		0		
Phosphorus         ppm         ASTM D5185m         378             Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0		
Zinc         ppm         ASTM D5185m         20             Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0		
Sulfur         ppm         ASTM D5185m         731             CONTAMINANTS         method         limit/base         current         history1         history3           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0		
CONTAMINANTS         method         limit/base         current         history1         history3           Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.3344             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0		
Silicon         ppm         ASTM D5185m         >25         3             Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.334             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0 0 0 378		
Sodium         ppm         ASTM D5185m         0             Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.334             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0 0 0 378 20		
Potassium         ppm         ASTM D5185m         >20         1             Water         %         ASTM D6304         >0.1         0.334             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 0 0 0 378 20 731		
Water         %         ASTM D6304         >0.1         0.334             ppm Water         ppm         ASTM D6304         >1000         3340	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 0 0 378 20 731	     history1	    history2
ppm Water ppm ASTM D6304 >1000 <b>3340</b>	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m		0 0 0 0 0 378 20 731 current	     history1	    history2
PP	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>25	0 0 0 0 0 378 20 731 current 3	    history1	history2
FLUID DEGRADATION method limit/base current history1 history	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>25 >20	0 0 0 0 0 378 20 731 current 3 0	    history1	history2
	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm	ASTM D5185m	>25 >20 >0.1	0 0 0 0 0 378 20 731 current 3 0 1	history1	history2
Acid Number (AN)         mg KOH/g         ASTM D8045         0.85	Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm	ASTM D5185m ASTM D6304	>25 >20 >0.1 >1000	0 0 0 0 0 378 20 731 current 3 0 1 0.334	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06185170 Unique Number : 11036496

: UHC06185170

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 May 2024 **Tested** 

: 22 May 2024 Diagnosed : 22 May 2024 - Jonathan Hester

Test Package : IND 2 ( Additional Tests: KF ) 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)

ATLANTA AIR COMPRESSOR

123 MERCHANTS PARK DR HOSCHTON, GA

> US 30548 Contact: Derik Bray

Derik@atlantaaircompressor.com T: (470)252-9952

F: x: Contact/Location: Derik Bray - UCATLHOS