

OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Area HC SYN 5 Machine for KAISHAN 151910804U

Component Compressor

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

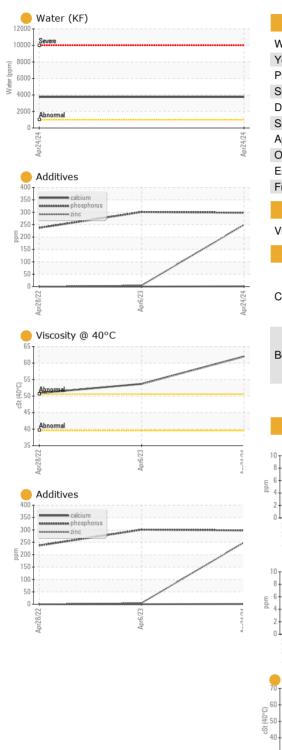
Fluid Condition

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. The AN level is at the top-end of the recommended limit.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UAC06160470	UCH05825060	UCH05536424
Sample Date		Client Info		24 Apr 2024	06 Apr 2023	28 Apr 2022
Machine Age	hrs	Client Info		2912	20582	12636
Oil Age	hrs	Client Info		4322	4329	4495
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	6	<1	1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	6	0	<1
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	5	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 4	history1 0	history2 0
	ppm ppm		limit/base			
Boron		ASTM D5185m	limit/base	4	0	0
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	4 0	0	0
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1	0 0 0	0 0 0
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1	0 0 0 0	0 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1 1	0 0 0 0 0	0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1 1 <1	0 0 0 0 0 0	0 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1 1 1 <1 298	0 0 0 0 0 0 301	0 0 0 0 0 0 237
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1 1 298 249	0 0 0 0 0 0 301 4	0 0 0 0 0 0 237 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		4 0 <1 <1 1 298 249 351	0 0 0 0 0 0 301 4 446	0 0 0 0 0 0 237 0 344
Boron 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 ASTM D5185m	limit/base	4 0 <1 <1 1 <1 298 249 351 current	0 0 0 0 0 0 301 4 446 history1	0 0 0 0 0 0 237 0 344 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base	4 0 <1 <1 1 <1 298 249 351 current 15	0 0 0 0 0 0 301 4 446 history1 3	0 0 0 0 0 237 0 344 history2 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	4 0 <1 <1 1 298 249 351 current 15 7	0 0 0 0 0 0 301 4 446 history1 3 0	0 0 0 0 0 237 0 344 history2 <1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >25 >20	4 0 <1 <1 1 298 249 351 current 15 7 3	0 0 0 0 0 301 4 446 history1 3 0 <1	0 0 0 0 0 237 0 344 history2 <1 <1 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >25 >20 >0.1	4 0 <1 <1 1 298 249 351 <u>current</u> 15 7 3 0.375	0 0 0 0 0 301 4 446 history1 3 0 <1 	0 0 0 0 0 237 0 344 history2 <1 <1 <1 0



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		62.0	53.7	50.9
SAMPLE IMAGES	;	method	limit/base	current	history1	history2
Color						

GRAPHS Ferrous Alloys Non-ferrous Metals Viscosity @ 40°C Acid Number (B/HOX E 1.00 Ah 0.50 0.00 G 30 Apr24/24 -Apr6/23 -Apr6/23 Anr/28/77 Anr.28/22 nr74/74 ATLANTA AIR COMPRESSOR : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : UAC06160470 Received : 25 Apr 2024 123 MERCHANTS PARK DR Lab Number : 06160470 Tested : 26 Apr 2024 HOSCHTON, GA US 30548

Unique Number : 10995893 Diagnosed : 30 Apr 2024 - Jonathan Hester Test Package : IND 2 (Additional Tests: KF) Contact: Derik Bray Certificate 12367 Derik@atlantaaircompressor.com 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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