

OIL ANALYSIS REPORT

Area **KTL** 8000 KAISHAN 301810808U - OFFSITEK Component Compressor

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Excessive free water present. 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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UHC06185169	UCH05775484	
Sample Date		Client Info		01 May 2024	13 Jan 2023	
Machine Age	hrs	Client Info		7576	4913	
Oil Age	hrs	Client Info		2185	2275	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				ATTENTION	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	7	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>25	1	0	
Lead	ppm	ASTM D5185m	>25	<1	<1	
Copper	ppm	ASTM D5185m	>50	<1	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
Caumum	ppm	AGTIVI DJTOJIT		U	0	
ADDITIVES	ppm	method	limit/base	current	history1	history2
	ppm		limit/base	-	-	
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history1 0	history2
ADDITIVES Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current 0 0	history1 0 3	history2
ADDITIVES Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0	history1 0 3 0	history2
ADDITIVES Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0	history1 0 3 0 0	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 1	history1 0 3 0 0 0	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 0 0 0 0 0 0 0 0 0 0 0 0	history1 0 3 0 0 0 0 7	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 <1 0 295	history1 0 3 0 0 0 0 7 3	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 <1 0 295 10	history1 0 3 0 0 0 0 7 3 3 10	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		current 0 0 0 0 0 295 10 0	history1 0 3 0 0 0 0 7 3 10 94	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 0 0 0 0 <1 0 295 10 0 Current	history1 0 3 0 0 0 0 10 94 history1	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	current 0 0 0 0 295 10 0 current 1	history1 0 3 0 0 0 0 10 94 history1 2	history2 history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base >25	current 0 0 0 0 0 295 10 0 current 1 0	history1 0 3 0 0 0 0 10 94 history1 2 0	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >25 >20	current 0 0 0 0 295 10 0 current 1 0 2	history1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 10 94 history1 2 0 0	history2
ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	limit/base >25 >20 >0.1	current 0 0 0 0 295 10 0 current 1 0 2 0.055	history1 0 3 0 0 0 0 0 0 0 0 0 0 0 0 10 94 history1 2 0 0 0 0 0 0.178	history2 history2

Sample Rating Trend

WATER

Report Id: UCATLHOS [WUSCAR] 06185169 (Generated: 05/22/2024 18:04:53) Rev: 1



OIL ANALYSIS REPORT

	GOMPRESSUR	
12000	Water (KF)	VIS
10000	Severe	White
- 8000	-	Yello
Vater (ppm) 4000		Prec
₹ 4000		Silt
2000		Debr
0	Abnormal	Sanc
	13/23	Appe Odor
	Jan1	Sector Secto
	Water (KF)	Emu
12000		Free
10000		FL
(mgg) 1000		Visc
(bbm) 4000 4000 4000		
2000		SA
2000	Abnormal	-
U	3/23	57 Colo
	Jan 1.	Colo
	Viscosity @ 40°C	
52		Dette
50		Botto
48 2 46		
(0-06) 44		GR
42	-	Fer
40	Abnormal	10 T
38		- ⁸
	Jan 13/2	udd 4
		2

	VISUAL		method	limit/base	current	history1	history2	
	White Metal	scalar	*Visual	NONE	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE	NONE		
	Silt	scalar	*Visual	NONE	MODER	NONE		
	Debris	scalar	*Visual	NONE	MODER	MODER		
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE		
May1/24	Appearance	scalar	*Visual	NORML	NORML	NORML		
W	Odor	scalar	*Visual	NORML	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	0.2%	0.2%		
	Free Water	scalar	*Visual		<mark> </mark> 5.0	1.0		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445		45.0	47.4		
	SAMPLE IMAGES	6	method	limit/base	current	history1	history2	
May/124	Color				· É		no image	
	Bottom						no image	
5	GRAPHS Ferrous Alloys							
4	d 4			May1/24				
	Non-ferrous Metal	5						
	Jan 13/23			May1/24				
	-			×				
	Viscosity @ 40°C				Acid Numb	er		
	50- Abnormal			5.0 (mg KOH/g) 5.0 (mg KOH/g) 1.0 mmper				
	() () () () () () () () () () () () () (_		X U.3				
				5.0.2 G	(U +			
	40 - Abnormal			N 0.1	10			
	35 4			0.0	10			
	Jan 13/23			May1/24	Jan 13/23			
Laboratory Sample No. Lab Number Unique Number	: UHC06185169 : <mark>06185169</mark>	Rece Teste	Madison Ave., Cary, NC 27513 Received : 20 May 2024 Tested : 22 May 2024 Diagnosed : 22 May 2024 - Jonathan Hester s: KF) e at 1-800-237-1369. D25 scope of accreditation.			ATLANTA AIR COMPRESSO 123 MERCHANTS PARK D HOSCHTON, G US 3054 Contact: Derik Bra Derik@atlantaaircompressor.co T: (470)252-995		

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