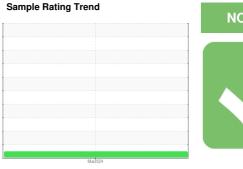


OIL ANALYSIS REPORT

XTEND **ATLAS COPCO ITJ475547 - M4 MACHINE**

Compressor





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

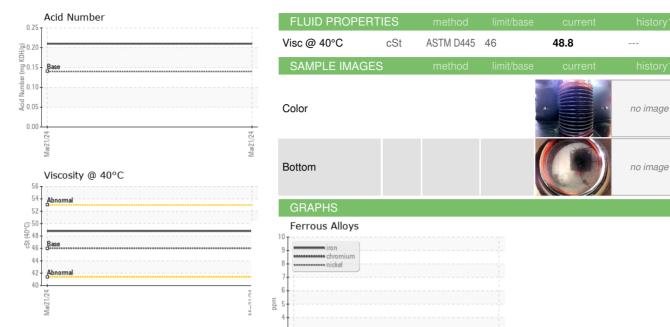
Fluid Condition

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

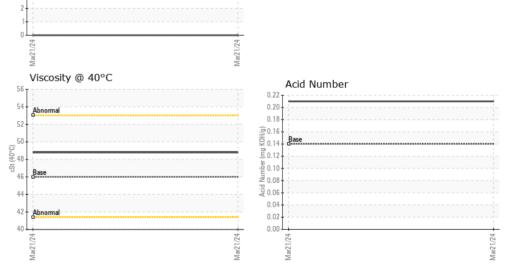
Cample Date					Mar2024		
Sample Date Client Info 21 Mar 2024	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Cample Date Client Info 21 Mar 2024	Sample Number		Client Info		UCH06125781		
Machine Age	Sample Date		Client Info		21 Mar 2024		
Dit Age	Machine Age	hrs	Client Info		12770		
NORMAL	Oil Age	hrs	Client Info		3634		
WEAR METALS method limit/base current history1 history2 ron ppm ASTM D5185m >50 0 chromium ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m 0 ASTM D5185m 0 Aluminum ppm ASTM D5185m 0 Auminum ppm ASTM D5185m >15 0 Audinium ppm ASTM D5185m >65 0 Januadium ppm ASTM D5185m >10 0 Januadium ppm ASTM D5185m 0 Januadium ppm ASTM D5185m 0 Januadium ppm ASTM D5185m 0	Oil Changed		Client Info		N/A		
Chromium	Sample Status				NORMAL		
Description	WEAR METALS		method	limit/base	current	history1	history2
ASTM D5185m	ron	ppm	ASTM D5185m	>50	0		
Description	Chromium	ppm	ASTM D5185m	>5	0		
ASTM D5185m	Nickel	ppm	ASTM D5185m		<1		
Aluminum	Γitanium	ppm	ASTM D5185m		0		
December December	Silver	ppm	ASTM D5185m		0		
Description	Aluminum	ppm	ASTM D5185m	>15	0		
ASTM D5185m D	_ead	ppm	ASTM D5185m	>65	0		
Astandium	Copper	ppm	ASTM D5185m	>65	0		
ASTM D5185m D	Γin	ppm	ASTM D5185m	>10	0		
ADDITIVES	/anadium	ppm	ASTM D5185m		0		
Soron ppm ASTM D5185m Q	Cadmium	ppm	ASTM D5185m		0		
Description	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 30 Phosphorus ppm ASTM D5185m 59 Zinc ppm ASTM D5185m 110 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >35 <1	Boron	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 30 Phosphorus ppm ASTM D5185m 59 Zinc ppm ASTM D5185m 110 CONTAMINANTS method limit/base current history1 history2	Barium	ppm	ASTM D5185m		0		
Adagnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 30 Clinc ppm ASTM D5185m 59 Sulfur ppm ASTM D5185m 110 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1	Molybdenum	ppm	ASTM D5185m		0		
Delicition	Manganese	ppm	ASTM D5185m		0		
Delicium	Magnesium	ppm	ASTM D5185m		0		
Sulfur	Calcium	ppm	ASTM D5185m		0		
Sulfur	Phosphorus	ppm	ASTM D5185m		30		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1 Sodium ppm ASTM D5185m >20 0 Potassium ppm ASTM D5185m >20 0 Nater % ASTM D6304 >0.1 NEG FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.21 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML	Zinc	ppm	ASTM D5185m		59		
Solicon	Sulfur	ppm	ASTM D5185m		110		
Sodium	CONTAMINANTS	6	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.1 NEG FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.21 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE Vellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML <tr< td=""><td>Silicon</td><td>ppm</td><td>ASTM D5185m</td><td>>35</td><td><1</td><td></td><td></td></tr<>	Silicon	ppm	ASTM D5185m	>35	<1		
Water % ASTM D6304 >0.1 NEG FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.21 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 Emulsified Water	Sodium	ppm	ASTM D5185m		<1		
FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.21 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 NONE NONE Appearance scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Dodor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Potassium	ppm	ASTM D5185m	>20	0		
Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.21 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 NONE NONE Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG Sand/Dirt scalar *Visual NORML NORML Sand/Dirt scalar *Visual NORML NORML Sand/Dirt scalar *Visual NORML NORML Sand/Dirt scalar *Visual NORML NORML Sand/Dirt scalar *Visual NORML NORML Sand/Dirt scalar *Visual NORML NORML	Water	%	ASTM D6304	>0.1	NEG		
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 NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	FLUID DEGRADA	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 NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.21		
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 NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	White Metal		*Visual				
Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	ellow Metal	scalar	*Visual	NONE	NONE		
Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Ddor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Precipitate	scalar			NONE		
Sand/Dirt scalar *Visual NONE NONE Sppearance scalar *Visual NORML NORML Scalar *Visual NORML NORML NORML Scalar *Visual NORML NORML NORML Scalar *Visual >0.1 NEG	Silt	scalar		NONE	NONE		
Appearance scalar *Visual NORML NORML Codor scalar *Visual NORML NORML NORML Comulsified Water scalar *Visual >0.1 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.1 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.1 NEG	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
Free Water scalar *Visual NEG ation:-ELVIN DIAZ - UCAIRCA	Emulsified Water	scalar	*Visual	>0.1	NEG		
	ree Water	scalar	*Visual		NEG	ation:-ELVIN DIA	Z - UCAIRCAI



OIL ANALYSIS REPORT



Non-ferrous Metals





Report Id: UCAIRCAR [WUSCAR] 06125781 (Generated: 03/26/2024 19:10:49) Rev: 1

Laboratory Sample No. Lab Number : 06125781 Unique Number: 10939932

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: UCH06125781

Received **Tested** Diagnosed

: 21 Mar 2024 : 26 Mar 2024

: 26 Mar 2024 - Jonathan Hester

AIRMATIC COMPRESSOR SYSTEMS 700 WASHINGTON AVE

CARLSTADT, NJ US 07072

no image

no image

Test Package: IND 2 (Additional Tests: KF, PrtCount) Contact: ELVIN DIAZ To discuss this sample report, contact Customer Service at 1-800-237-1369. ediaz@airmaticcompressor.com;canastasio@wearcheckusa.com

* - 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) T: (800)864-7621 F: (201)342-6241

Contact/Location: ELVIN DIAZ - UCAIRCAR