

PROBLEM SUMMARY

Sample Rating Trend

WEAR

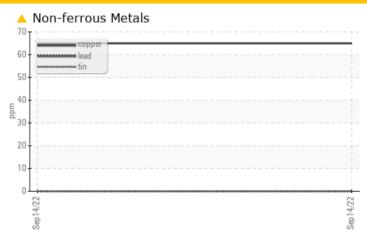
4184733 (S/N 1043)

Component

Compressor Fluid

NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC T	C TEST RESULTS					
Sample Status				ABNORMAL		
Copper	ppm	ASTM D5185m	>50	<u> </u>		
Silt	scalar	*\/icual	NONE	▲ HEΔVV		

Customer Id: WESNORSC Sample No.: KC107446 Lab Number: 05644913 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Oil and filter change at the time of sampling has been noted.		
Change Filter			?	Oil and filter change at the time of sampling has been noted.		
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.		

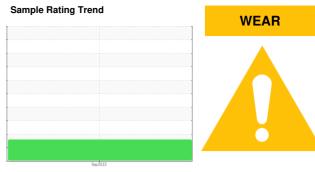


OIL ANALYSIS REPORT

4184733 (S/N 1043) Component

Compressor

NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of visible silt present in the sample.

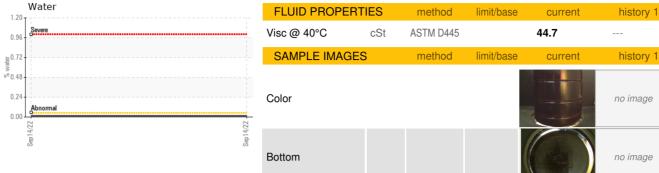
Fluid Condition

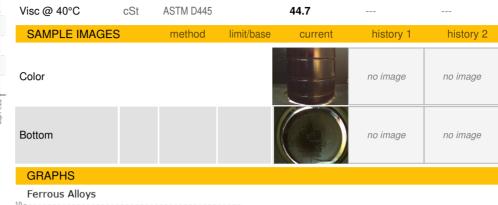
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

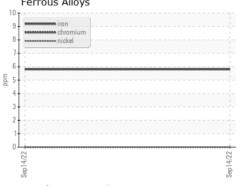
Sample Number					Sep2022		
	SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
	Sample Number				KC107446		
Machine Age hrs 6408	•				14 Sep 2022		
Dit Age	•	hrs			-		
Changed Cha	Oil Age						
Managenesian Man	•						
Chromium	Sample Status						
Chromium	WEAR METALS		method	limit/base	current	history 1	history 2
ASTM D5185m >3 0	Iron	ppm	ASTM D5185m	>50	6		
Silver	Chromium	ppm	ASTM D5185m	>10	0		
Silver	Nickel	ppm	ASTM D5185m	>3	0		
Aluminum ppm ASTM D5185m >10 <1	Γitanium	ppm	ASTM D5185m	>3	0		
A	Silver	ppm	ASTM D5185m	>2	<1		
ASTM D5185m STM D5185m ST	Aluminum	ppm	ASTM D5185m	>10	<1		
ASTM D5185m D	_ead	ppm	ASTM D5185m	>10	0		
Academium	Copper		ASTM D5185m	>50	△ 65		
ASTM D5185m D	Tin	ppm	ASTM D5185m	>10	0		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history 1 history 2 Boron ppm ASTM D5185m 0 Manganesium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 84 Zince ppm ASTM D5185m 84 CONTAMINANTS method limit/base current history 1 history 2 Silicon ppm ASTM D5185m >25 <1 Potassium ppm ASTM D5185m <	Vanadium	ppm	ASTM D5185m		0		
Soron ppm ASTM D5185m Q	Cadmium		ASTM D5185m		0		
Description	ADDITIVES		method	limit/base	current	history 1	history 2
Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 5 Phosphorus ppm ASTM D5185m 84 Zinc ppm ASTM D5185m 84 CONTAMINANTS method limit/base current history 1 history 2 Goldium ppm ASTM D5185m >25 <1	Boron	ppm	ASTM D5185m		0		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 5 Phosphorus ppm ASTM D5185m 5 Zinc ppm ASTM D5185m 84 CONTAMINANTS method limit/base current history 1 history 2 Silicon ppm ASTM D5185m >25 <1	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 1 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 5 Zinc ppm ASTM D5185m 84 CONTAMINANTS method limit/base current history 1 history 2 Silicon ppm ASTM D5185m 25 <1	Molybdenum	ppm	ASTM D5185m		0		
Delicition	Manganese	ppm	ASTM D5185m		0		
Phosphorus	Magnesium	ppm	ASTM D5185m		1		
CONTAMINANTS	Calcium	ppm	ASTM D5185m		0		
CONTAMINANTS	Phosphorus	ppm	ASTM D5185m		5		
Silicon	Zinc	ppm	ASTM D5185m		84		
Deciding	CONTAMINANTS	3	method	limit/base	current	history 1	history 2
Potassium ppm ASTM D5185m >20 0 Water % ASTM D6304 >0.05 0.008 Opm Water ppm ASTM D6304 >500 87.5 FLUID DEGRADATION method limit/base current history 1 history 2 Acid Number (AN) mg KOH/g ASTM D8045 0.30 VISUAL method limit/base current history 1 history 2 White Metal scalar *Visual NONE NONE Vellow Metal scalar *Visual NONE NONE Debris scalar *Visual NONE NONE <	Silicon	ppm	ASTM D5185m	>25	<1		
Water % ASTM D6304 >0.05 0.008 opp Water ppm ASTM D6304 >500 87.5 FLUID DEGRADATION method limit/base current history 1 history 2 Acid Number (AN) mg KOH/g ASTM D8045 0.30 VISUAL method limit/base current history 1 history 2 White Metal scalar *Visual NONE NONE Vellow Metal scalar *Visual NONE NONE Verecipitate scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Emulsifi	Sodium	ppm	ASTM D5185m		1		
Opm Water ppm ASTM D6304 >500 87.5 FLUID DEGRADATION method limit/base current history 1 history 2 Acid Number (AN) mg KOH/g ASTM D8045 0.30 VISUAL method limit/base current history 1 history 2 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 Appearance scalar *Visual NORML NORML Emulsified Water	Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADATION method limit/base current history 1 history 2 Acid Number (AN) mg KOH/g ASTM D8045 0.30 VISUAL method limit/base current history 1 history 2 White Metal scalar *Visual NONE NONE Vellow 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 >0.05 NEG	Nater	%	ASTM D6304	>0.05	0.008		
Acid Number (AN) mg KOH/g ASTM D8045 0.30 VISUAL method limit/base current history 1 history 2 White Metal scalar *Visual NONE NONE Vellow 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 >0.05 NEG	opm Water	ppm	ASTM D6304	>500	87.5		
VISUAL method limit/base current history 1 history 2 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 >0.05 NEG	FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE HEAVY Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NORML Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.05 NEG	Acid Number (AN)	mg KOH/g	ASTM D8045		0.30		
Vellow Metal scalar *Visual NONE NONE Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE HEAVY Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.05 NEG	VISUAL		method	limit/base	current	history 1	history 2
Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE → HEAVY 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 >0.05 NEG	White Metal	scalar	*Visual	NONE	NONE		
Silt scalar *Visual NONE HEAVY 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 >0.05 NEG	Yellow 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 >0.05 NEG	Precipitate	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.05 NEG	Silt	scalar	*Visual	NONE	▲ HEAVY		
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.05 NEG	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.05 NEG	Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.05 NEG	Appearance	scalar	*Visual	NORML	NORML		
Emulsified Water scalar *Visual >0.05 NEG	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar		>0.05	NEG		
	Free Water	scalar	*Visual			Service Manage	r - WESNORS

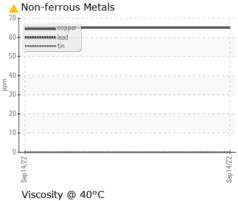


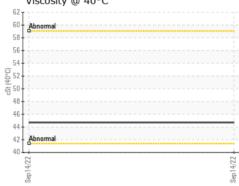
OIL ANALYSIS REPORT

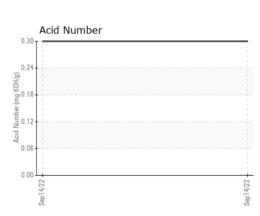














Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10139452 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KC107446 : 05644913

Received Diagnosed

: 19 Sep 2022 : 22 Sep 2022 Diagnostician : Jonathan Hester

NORTH CHARLESTON, SC USA

WEST ROCK QUALITY

Contact: Service Manager

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)

T:

F:

history 2