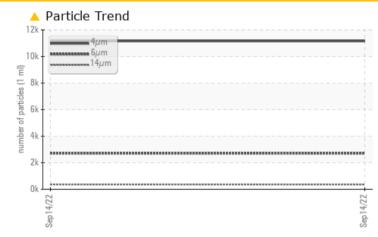


PROBLEM SUMMARY

Machine Id 4859347 (S/N 1262) 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.

PROBLEMATIC TEST RESULTS Sample Status ABNORMAL

Sample Status		ABNORMAL	
Particles >6µm	ASTM D7647 >1300	<u> </u>	
Particles >14µm	ASTM D7647 >80	🔺 362	
Particles >21µm	ASTM D7647 >20	<u> </u>	
Oil Cleanliness	ISO 4406 (c) >/17/13	3 🔺 21/19/16	

Customer Id: WESNORSC Sample No.: KC107447 Lab Number: 05644879 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

CANDLE INCODMATION

Sample Rating Trend



Machine Id 4859347 (S/N 1262) Component Compressor

Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

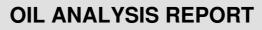
Fluid Condition

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

Sample NumberKC107447Sample DateIII4 Sep 2022IMachine AgehrsIS8692IOil AgehrsIIChangedIOil ChangedIIChangedISample StatusIIABNORMALIWEAR METALSMethodImit/baseCurrenthistory 1IronppmASTM D5185m>500INickelppmASTM D5185m>30ISilverppmASTM D5185m>30ISilverppmASTM D5185m>100ILeadppmASTM D5185m>100ICopperppmASTM D5185m>100ITinppmASTM D5185m>100IVanadiumppmASTM D5185m>100IInppmASTM D5185m>100ISilverppmASTM D5185m>100ICopperppmASTM D5185m>100IVanadiumppmASTM D5185m>100ISilverppmASTM D5185m>100ISilverppmASTM D5185m>100ISilverppmASTM D5185m>100ISilverppmASTM D5185m>100ISilverppm	 history 2
Machine Agehrs38692Oil AgehrsIca3540Oil ChangedIcaChangedSample StatusIcaImit/baseCurrenthistory 1WEAR METALSmethodlimit/basecurrenthistory 1IronppmASTM D5185m>500Oil ChromiumppmASTM D5185m>100NickelppmASTM D5185m>30TitaniumppmASTM D5185m>2<1SilverppmASTM D5185m>100LeadppmASTM D5185m>100CopperppmASTM D5185m>100TinppmASTM D5185m>100YanadiumppmASTM D5185m>100YanadiumppmASTM D5185m>100	 history 2
Oil AgehrsImage3540ImageOil ChangedChangedChangedImageImageSample StatusImageABNORMALImageImageWEAR METALSmethodlimit/basecurrenthistory 1IronppmASTM D5185m>500ImageChromiumppmASTM D5185m>100ImageNickelppmASTM D5185m>30ImageTitaniumppmASTM D5185m>30ImageSilverppmASTM D5185m>2<1	 history 2
Oil Changed Sample StatusChangedWEAR METALSmethodlimit/basecurrenthistory 1IronppmASTM D5185m>500ChromiumppmASTM D5185m>100NickelppmASTM D5185m>30TitaniumppmASTM D5185m>30SilverppmASTM D5185m>2<1	 history 2 -
Sample StatusImage StatusAmethodImit/baseCurrenthistory 1WEAR METALSmethodlimit/basecurrenthistory 1IronppmASTM D5185m>500ChromiumppmASTM D5185m>100NickelppmASTM D5185m>30TitaniumppmASTM D5185m>30SilverppmASTM D5185m>2<1	history 2
WEAR METALS method limit/base current history 1 Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1	history 2
Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1	
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m >0	
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1	
Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1	
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Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m >10 0	
Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m >10 0	
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0	
Copper ppm ASTM D5185m >50 20 Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0	
Tin ppm ASTM D5185m >10 0 Vanadium ppm ASTM D5185m 0	
Vanadium ppm ASTM D5185m 0	
ADDITIVES method limit/base current history 1	history 2
Boron ppm ASTM D5185m 0	
Barium ppm ASTM D5185m 0	
Molybdenum ppm ASTM D5185m O	
Manganese ppm ASTM D5185m <1	
Magnesium ppm ASTM D5185m 28	
Calcium ppm ASTM D5185m 0	
Phosphorus ppm ASTM D5185m 5	
Zinc ppm ASTM D5185m 42	
CONTAMINANTS method limit/base current history 1	history 2
Silicon ppm ASTM D5185m >25 <1	
Sodium ppm ASTM D5185m 8	
Potassium ppm ASTM D5185m >20 0	
Water % ASTM D6304 >0.05 0.023	
ppm Water ppm ASTM D6304 >500 232.8	
FLUID CLEANLINESS method limit/base current history 1	history 2
Particles >4μm ASTM D7647 11158	
Particles >6μm ASTM D7647 >1300 🔺 2712	
Particles >14µm ASTM D7647 >80 ▲ 362	
Particles >21μm ASTM D7647 >20 Δ 112	
Particles >38μm ASTM D7647 >4 0	
Particles >71μm ASTM D7647 >3 0	
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 21/19/16	
FLUID DEGRADATION method limit/base current history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045 0.33	



Built for a lifetime.

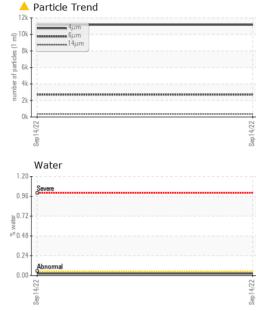


method

limit/base

current

VISUAL



						motory	motory 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	VLITE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Sep 14/22	Appearance	scalar	*Visual	NORML	NORML		
Sep 1	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
	Free Water	scalar	*Visual		NEG		
			un ette e el	line it /le e e e		latata ny d	bisters 0
	FLUID PROPER	cSt	method ASTM D445	limit/base	current 45.0	history 1	history 2
			method	limit/base	current	history 1	history 2
	SAMPLE IMAGE	-0	method	IIIII/Dase			TIISLOTY 2
Sep14,22	Color					no image	no image
	Bottom					no image	no image
	GRAPHS Ferrous Alloys	als		491,520 122,880 30,720 7,680 7,680 7,680 7,680 7,680 80 1,920 480 480 120			-24 -22 -20 -18 -16 -14 -14
	Viscosity @ 40°C			2 Sep14/22	Borosemal μ Acid Number	14μ 21μ	-12 -10 -8 -38µ 71µ
	60 Abnormal (2, 0) 55 45 40 Abnormal 22 F			(B)HOX 0.30 HOX 0.30 Bull a QUAR W 0.10 COV COV COV COV COV COV COV COV	- 1		
	Sep14/22			Sep14/22	Sep 14/22		
Laboratory Sample No.	: WearCheck USA - : KC107447	501 Madis Received		ry, NC 27513 Sep 2022		WEST RO	OCK QUALIT
Lab Number Unique Number Gitate L2367 Test Package discuss this sample report,	: 05644879 : 10139418 : IND 2	Diagnose Diagnost	ed : 20 S ician : Ang	Sep 2022 Jela Borella		NORTH CHA	RLESTON, S USA ervice Manage
Denotes test methods that a rements of conformity to spec	are outside of the ISO	17025 sco	pe of accred	litation.	JCGM 106:2012)		T F



Report Id: WESNORSC [WUSCAR] 05644879 (Generated: 09/20/2022 13:31:41)

Contact/Location: Service Manager - WESNORSC

history 1

history 2