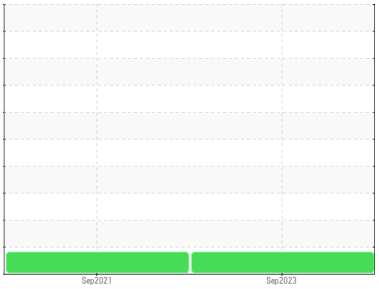
PROBLEM SUMMARY

Area
Saugeen Shores SP-17701
Machine Id
14K11
Component
Grease
Fluid
SKF LGWM 1 (14 LTR)

Sample Rating Trend



VISCOSITY

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ATTENTION	---
NLGI Consistency	NLGI Scale	SKF Method*	1	**00**	00-0	---

PrtFilter

Customer Id: VESTAS
Sample No.: PP0835292
Lab Number: 02590807
Test Package: GRS 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1 (289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

20 Sep 2021 Diag: Bill Quesnel

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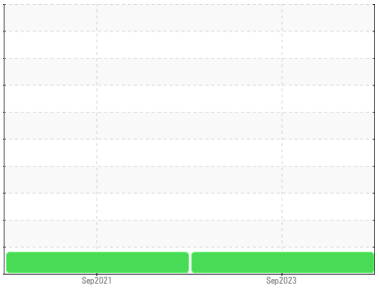
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the grease. The NLGI grade has dropped 1-1/2 NLGI grades. The condition of the grease is acceptable for the time in service.

view report

GREASE ANALYSIS

Sample Rating Trend



VISCOSITY

Area
Saugeen Shores SP-17701
Machine ID
14K11
Component
Grease
Fluid
SKF LGWM 1 (14 LTR)

DIAGNOSIS

Recommendation
We recommend an early resample to monitor this condition.

Wear
All component wear rates are normal.

Grease Condition
Grease consistency has changed by 2 NLGI grades from NLGI 1 to 00.

Contaminants
There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PP0835292**	PP	---
Sample Date		Client Info		**21 Sep 2023**	20 Sep 2021	---
Machine Age	yrs	Client Info		**15**	0	---
Grease Age	yrs	Client Info		**15**	0	---
Grease Serviced		Client Info		**Not Changd**	N/A	---
Sample Status				**ABNORMAL**	ATTENTION	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	**400**	500	---
Iron	ppm	ASTM D5185(m)	>250	**96**	127	---
Chromium	ppm	ASTM D5185(m)	>10	**<1**	<1	---
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	---
Cadmium	ppm	ASTM D5185(m)		**0**	0	---
Titanium	ppm	ASTM D5185(m)		**0**	0	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Lead	ppm	ASTM D5185(m)	>25	**0**	0	---
Copper	ppm	ASTM D5185(m)	>75	**<1**	<1	---
Tin	ppm	ASTM D5185(m)	>5	**0**	0	---
Silver	ppm	ASTM D5185(m)	>5	**<1**	0	---

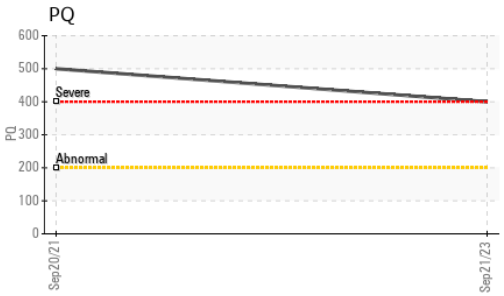
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	**<1**	<1	---
Magnesium	ppm	ASTM D5185(m)	0	**<1**	0	---
Manganese	ppm	ASTM D5185(m)	0	**0**	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	**0**	<1	---
Phosphorus	ppm	ASTM D5185(m)	5	**5**	6	---
Zinc	ppm	ASTM D5185(m)	20	**13**	16	---
Antimony	ppm	ASTM D5185(m)	0	**0**	<1	---

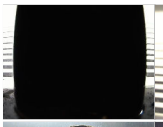
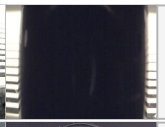
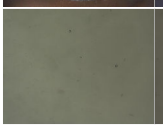
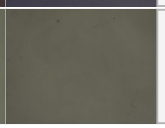
THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	0	**0**	0	---
Barium	ppm	ASTM D5185(m)	0	**<1**	0	---
Calcium	ppm	ASTM D5185(m)	40	**28**	35	---
Sodium	ppm	ASTM D5185(m)	2	**3**	1	---
Lithium	ppm	ASTM D5185(m)	120	**106**	120	---
Sulfur	ppm	ASTM D5185(m)	650	**627**	636	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	**<1**	<1	---
Potassium	ppm	ASTM D5185(m)		**18**	<1	---

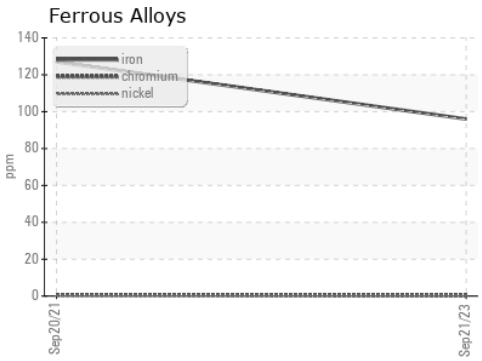
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		Visual*	Brown	**Brown**	Tan	---
Texture		In-house*		**Buttery**	Short fiber	---
NLGI Consistency	NLGI Scale	SKF Method*	1	**00**	00-0	---

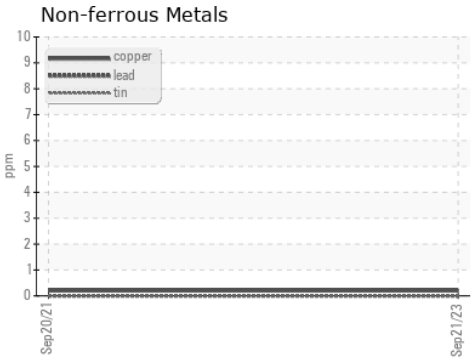
GREASE ANALYSIS

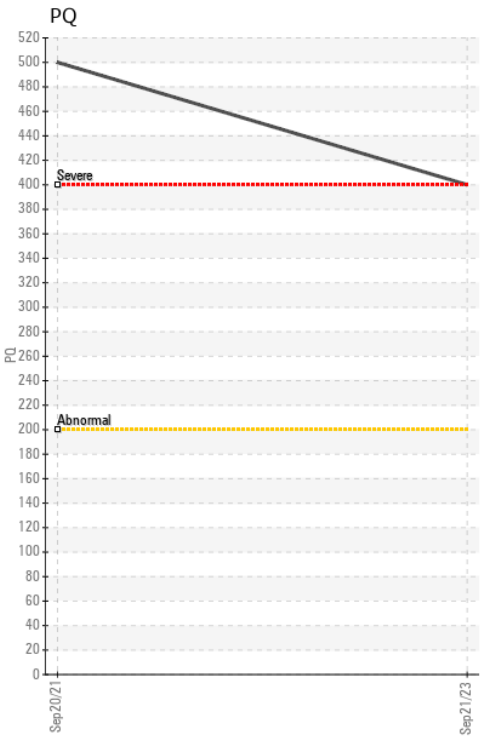


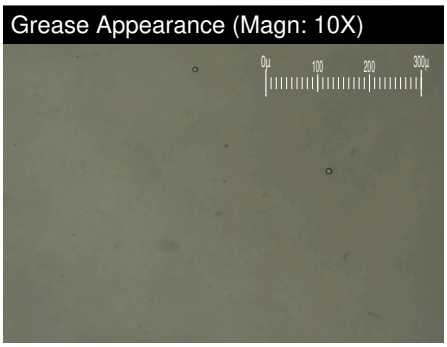
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image
PrtFilter					no image

GRAPHS









ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Vestas American Wind Technology Inc.**
Sample No. : PP0835292 **Received** : 20 Oct 2023 1417 NW Everett Street
Lab Number : 02590807 **Diagnosed** : 23 Oct 2023 Portland, OR
Unique Number : 5659873 **Diagnostician** : Bill Quesnel US 97209
Test Package : GRS 1 (Additional Tests: BottomAnalysis) Contact: Nicole Philippi
To discuss this sample report, contact Customer Service at 1-800-268-2131. NiPhi@vestas.com
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (503)327-7683
Validity of results and interpretation are based on the sample and information as supplied. F: (503)327-0247