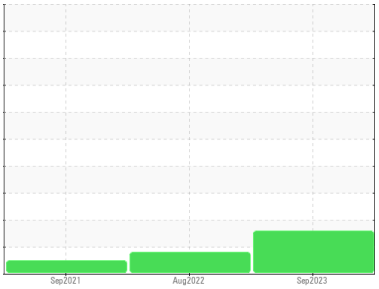
PROBLEM SUMMARY

Area
Saugeen Shores SP-17701
Machine ID
12K13
Component
Grease
Fluid
SKF LGWM 1 (--- LTR)

Sample Rating Trend



VISCOSITY

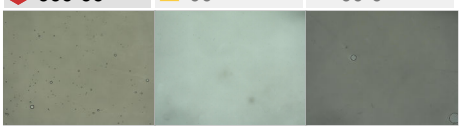
COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	NORMAL
NLGI Consistency	NLGI Scale	SKF Method*	1	000-00	00	00-0
PrtFilter						

Customer Id: VESTAS
Sample No.: PP0835233
Lab Number: 02590813
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

22 Aug 2022 Diag: Bill Quesnel

VISCOSITY

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.All component wear rates are normal. There is no indication of any contamination in the grease. The grease NLGI grade has changed from 1 to 00. The condition of the grease is acceptable for the time in service.

view report

17 Sep 2021 Diag: Bill Quesnel

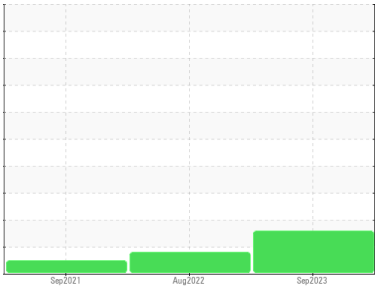
NORMAL

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 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
12K13
Component
Grease
Fluid
SKF LGWM 1 (--- 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 2-1/2 NLGI grades from NLGI 1 to 000-00.

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PP0835233**	WC0577987	PP0546462
Sample Date		Client Info		**19 Sep 2023**	22 Aug 2022	17 Sep 2021
Machine Age	yrs	Client Info		**15**	14	0
Grease Age	yrs	Client Info		**15**	14	0
Grease Serviced		Client Info		**Not Changd**	Not Changd	N/A
Sample Status				**SEVERE**	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	**360**	20	210
Iron	ppm	ASTM D5185(m)	>250	**119**	114	144
Chromium	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Cadmium	ppm	ASTM D5185(m)		**0**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Lead	ppm	ASTM D5185(m)	>25	**0**	0	0
Copper	ppm	ASTM D5185(m)	>75	**<1**	0	<1
Tin	ppm	ASTM D5185(m)	>5	**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**<1**	0	<1

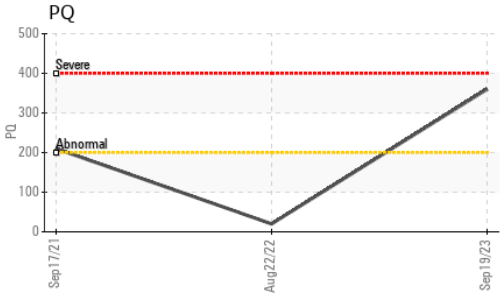
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	**<1**	<1	2
Magnesium	ppm	ASTM D5185(m)	0	**0**	0	<1
Manganese	ppm	ASTM D5185(m)	0	**<1**	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	**0**	0	<1
Phosphorus	ppm	ASTM D5185(m)	5	**4**	5	7
Zinc	ppm	ASTM D5185(m)	20	**12**	14	18
Antimony	ppm	ASTM D5185(m)	0	**0**	0	0

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	0	**<1**	<1	<1
Barium	ppm	ASTM D5185(m)	0	**0**	0	0
Calcium	ppm	ASTM D5185(m)	40	**21**	25	33
Sodium	ppm	ASTM D5185(m)	2	**3**	2	2
Lithium	ppm	ASTM D5185(m)	120	**106**	108	129
Sulfur	ppm	ASTM D5185(m)	650	**614**	646	681

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	**<1**	1	1
Potassium	ppm	ASTM D5185(m)		**0**	0	<1

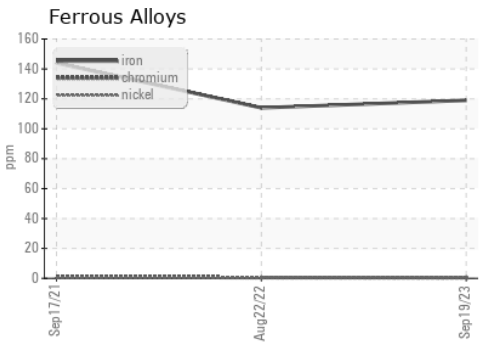
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		Visual*	Brown	**Brown**	Brown	Tan
Texture		In-house*		**Buttery**	Buttery	Short fiber
NLGI Consistency	NLGI Scale	SKF Method*	1	**000-00**	00	00-0

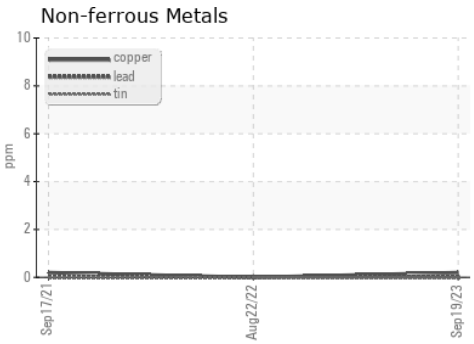
GREASE ANALYSIS

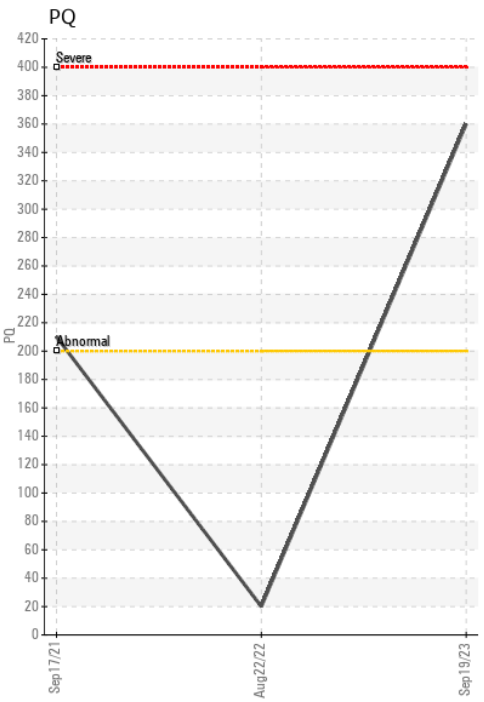


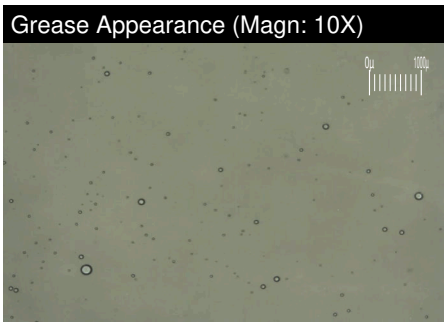
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

GRAPHS









ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Vestas American Wind Technology Inc.**
Sample No. : PP0835233 **Received** : 20 Oct 2023 1417 NW Everett Street
Lab Number : 02590813 **Diagnosed** : 23 Oct 2023 Portland, OR
Unique Number : 5659879 **Diagnostician** : Bill Quesnel US 97209
Test Package : GRS 1 (Additional Tests: BottomAnalysis) Contact: Eric German

To discuss this sample report, contact Customer Service at 1-800-268-2131. erger@vestas.com
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (519)368-7500
Validity of results and interpretation are based on the sample and information as supplied. F: (519)368-7535