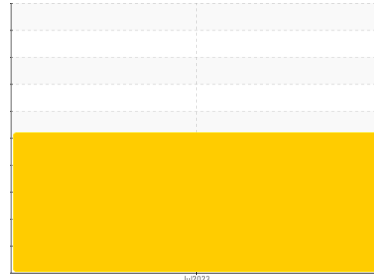




GREASE ANALYSIS

Sample Rating Trend



WEAR



Area
Machine Id
Component

ONE-TIME TEST POINTS HAMMER MILL 8

Fluid
LUBRICATION ENG ALMAPLEX 1275 (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you re-grease the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

PQ levels are abnormal. Iron ppm levels are abnormal. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

Grease Condition

The grease is no longer serviceable as a result of the abnormal and/or severe wear.

Contaminants

Moderate concentration of visible dirt/debris present in the grease. High concentration of visible dirt/debris present in the grease.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0802580	---	---
Sample Date	Client Info	28 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---
Grease Age	hrs	Client Info	0	---
Grease Serviced	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	>200	▲ 1240	---
Iron	ppm	ASTM D5185(m)	>250	▲ 583
Chromium	ppm	ASTM D5185(m)	>10	2
Nickel	ppm	ASTM D5185(m)	>5	<1
Cadmium	ppm	ASTM D5185(m)		0
Titanium	ppm	ASTM D5185(m)		8
Vanadium	ppm	ASTM D5185(m)		<1
Lead	ppm	ASTM D5185(m)	>25	<1
Copper	ppm	ASTM D5185(m)	>75	<1
Tin	ppm	ASTM D5185(m)	>5	0
Silver	ppm	ASTM D5185(m)	>5	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1
Magnesium	ppm	ASTM D5185(m)		73
Manganese	ppm	ASTM D5185(m)		3
Molybdenum	ppm	ASTM D5185(m)		0
Phosphorus	ppm	ASTM D5185(m)		15
Zinc	ppm	ASTM D5185(m)		27
Antimony	ppm	ASTM D5185(m)		319

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		502
Barium	ppm	ASTM D5185(m)		19
Calcium	ppm	ASTM D5185(m)		35
Sodium	ppm	ASTM D5185(m)		5
Lithium	ppm	ASTM D5185(m)		54
Sulfur	ppm	ASTM D5185(m)		597

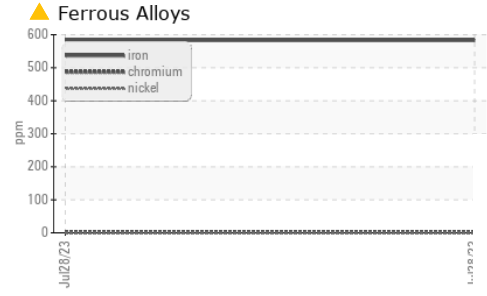
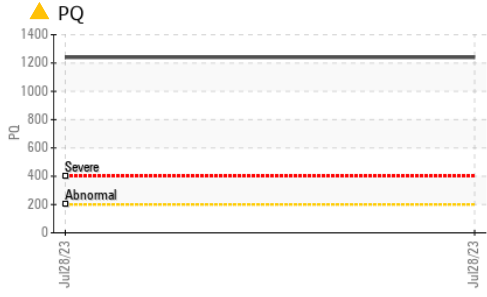
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	130
Potassium	ppm	ASTM D5185(m)		25

GREASE CONDITION

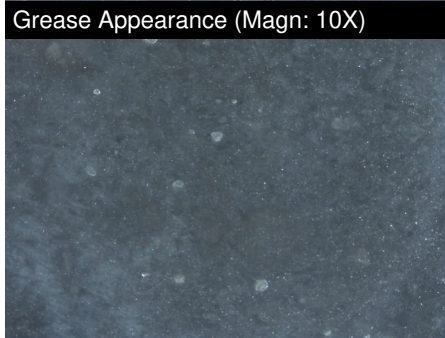
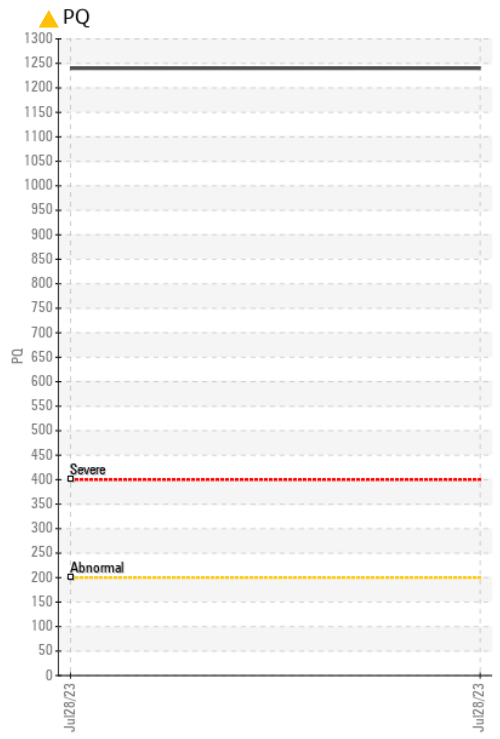
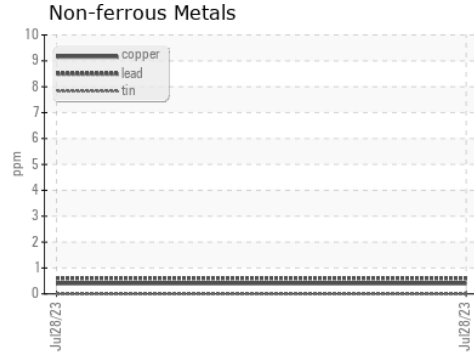
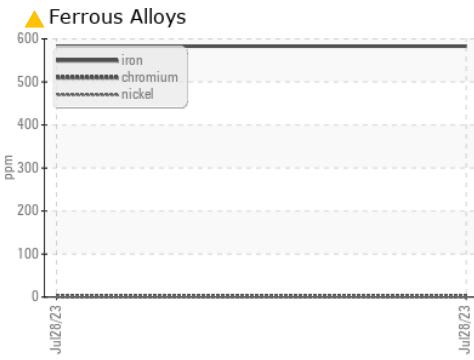
method	limit/base	current	history1	history2
Grease Color	Visual*	Orange	Black	---
Texture	In-house*	Smooth	▲ Brittle	---
NLGI Consistency	NLGI Scale	SKF Method*	2	2-3

GREASE ANALYSIS



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0802580 **Received** : 15 Aug 2023
Lab Number : **02576011** **Tested** : 16 Aug 2023
Unique Number : 5629071 **Diagnosed** : 21 Aug 2023 - Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

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 WINDSOR, ON
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 Contact: Matt Morand
 matt.morand@pernod-ricard.com
 T: (519)561-5359
 F: (519)971-5719

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.