



GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area

[4100882474]

Machine Id

SOUTH MINE SHELL GADUS GREASE

Component

Grease

Fluid

SHELL GADUS S2 V100 (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PP	---	---
Sample Date	Client Info			11 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Grease Age	hrs	Client Info		0	---	---
Grease Serviced	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

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	0	---	---
Iron	ppm	ASTM D5185(m)	>250	0	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Lead	ppm	ASTM D5185(m)	>25	0	---	---
Copper	ppm	ASTM D5185(m)	>75	0	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---

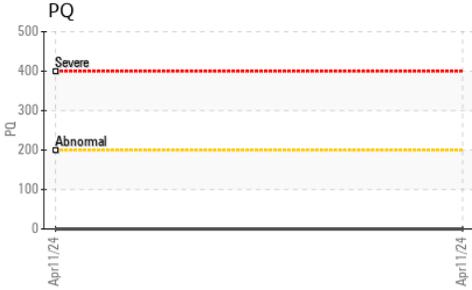
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	0	<1	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Phosphorus	ppm	ASTM D5185(m)	0	0	---	---
Zinc	ppm	ASTM D5185(m)	0	<1	---	---
Antimony	ppm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

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	0	0	---	---
Barium	ppm	ASTM D5185(m)	0	<1	---	---
Calcium	ppm	ASTM D5185(m)	0	0	---	---
Sodium	ppm	ASTM D5185(m)	0	<1	---	---
Lithium	ppm	ASTM D5185(m)	275	273	---	---
Sulfur	ppm	ASTM D5185(m)	900	918	---	---

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

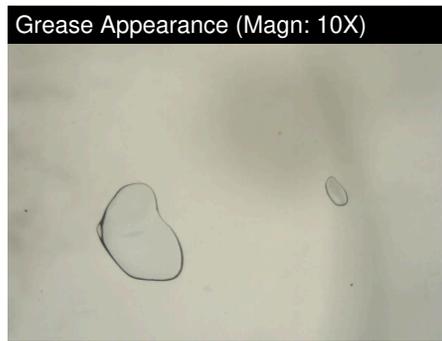
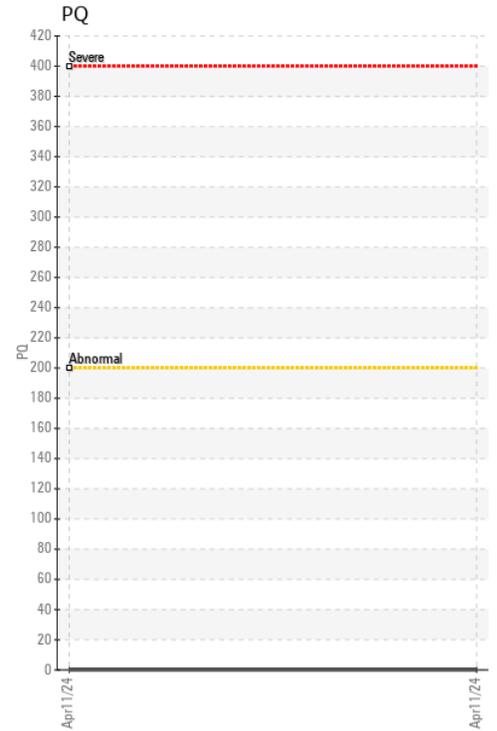
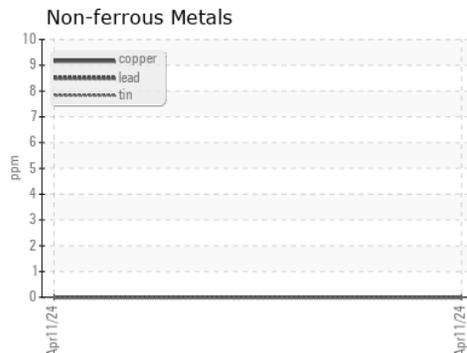
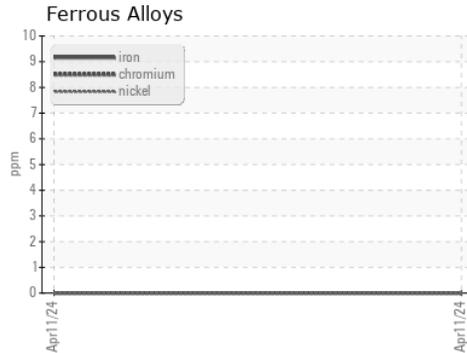
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	Amber	---	---
Texture	In-house*			Buttery	---	---
NLGI Consistency	NLGI Scale	SKF Method*	3	3-4	---	---

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. : PP **Received** : 12 Apr 2024
Lab Number : 02628626 **Tested** : 15 Apr 2024
Unique Number : 5761758 **Diagnosed** : 15 Apr 2024 - Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Vale - Copper Cliff Smelter
 COPPER CLIFF SMELTER WAREHOUSE, 155 BALSAM ST.
 COPPER CLIFF, ON
 CA P0M 1N0
 Contact: Andy Kozachanko
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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.