



# GREASE ANALYSIS

Sample Rating Trend



VISCOSITY



Machine Id  
**086418 SUMMIT SIX EXPRESS RETURN BULLWHEEL**  
 Component  
**Grease**  
 Fluid  
**MOBIL MOBILITH SHC SERIES 460 (--- GAL)**

## 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 1-1/2 NLGI grades from NLGI 1-2 to 3.

### Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0679941</b>	---	---
Sample Date	Client Info		<b>04 Apr 2024</b>	---	---
Machine Age	hrs	Client Info	<b>18555</b>	---	---
Grease Age	hrs	Client Info	<b>0</b>	---	---
Grease Serviced	Client Info		<b>N/A</b>	---	---
Sample Status			<b>MARGINAL</b>	---	---

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

WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>200	<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>250	<b>2</b>	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	---

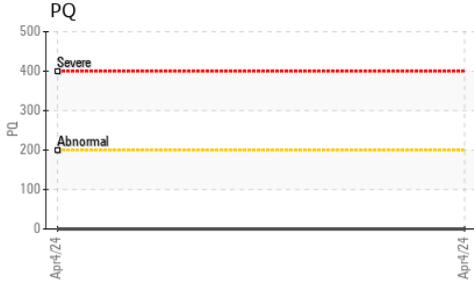
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>189</b>	---
Zinc	ppm	ASTM D5185(m)		<b>258</b>	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---

THICKENER/SOAP	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>0</b>	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	---
Lithium	ppm	ASTM D5185(m)		<b>489</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>761</b>	---

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

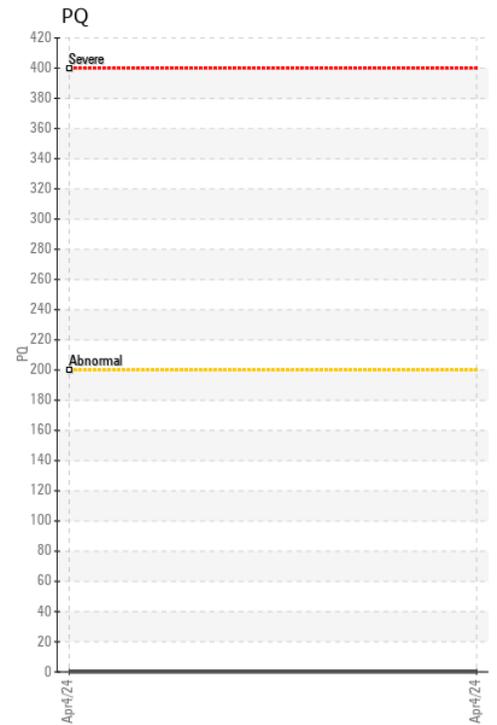
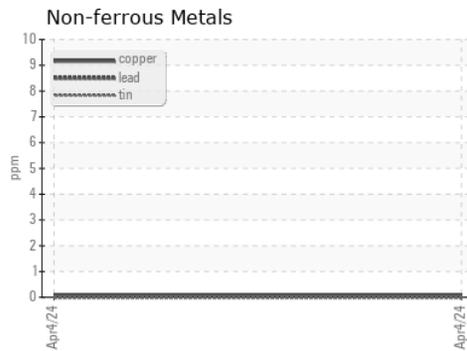
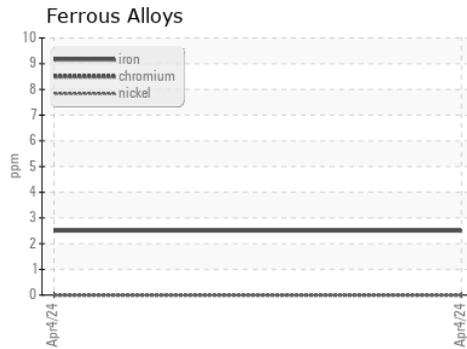
GREASE CONDITION	method	limit/base	current	history1	history2
Grease Color	Visual*	Red	<b>Red</b>	---	---
Texture	In-house*		<b>Buttery</b>	---	---
NLGI Consistency	NLGI Scale	SKF Method* 1-2	<b>▲ 3</b>	---	---

# 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.** : WC0679941      **Received** : 16 Apr 2024  
**Lab Number** : 02629412      **Tested** : 22 Apr 2024  
**Unique Number** : 5762544      **Diagnosed** : 22 Apr 2024 - Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

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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.