

PROBLEM SUMMARY

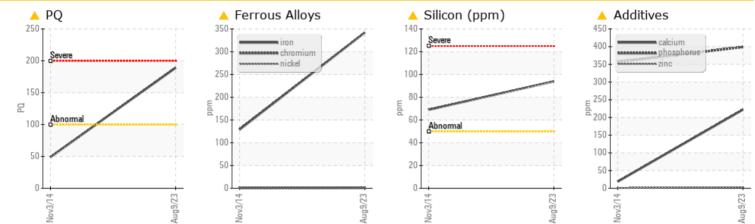
Sample Rating Trend

BROWNING 215 N/A #16 SCREW

Gearbox

MOBIL MOBILGEAR SHC 220 (9 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

PROBLEMATIC TEST RESULTS

THOBELINATIO TEST NESOETS									
Sample Status				ABNORMAL	NORMAL				
PQ		ASTM D8184*		<u> </u>	49				
Iron	ppm	ASTM D5185(m)	>200	A 342	129				
Calcium	ppm	ASTM D5185(m)		<u> </u>	19				
Silicon	ppm	ASTM D5185(m)	>50	<u> </u>	69				
Debris	scalar	Visual*	NONE	🔺 MODER	VLITE				

PrtFilter



Customer Id: REIBLI Sample No.: WC0795505 Lab Number: 02575484 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 <u>Kevin.Marson@wearcheck.com</u>

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			
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.			
Resample			?	We recommend an early resample to monitor this condition.			
Alert			?	We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.			
Check Breathers			?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.			
Check Dirt Access			?	We advise that you check all areas where contaminants can enter the system.			

HISTORICAL DIAGNOSIS

03 Nov 2014 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

BROWNING 215 N/A #16 SCREW

Gearbox Fluid MOBIL MOBILGEAR SHC 220 (9 LTR)

DIAGNOSIS

A Recommendation

We advise that you check all areas where contaminants can enter the system. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified.

🔺 Wear

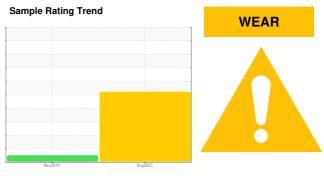
PQ levels are abnormal. Iron ppm levels are abnormal. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

Contamination

Calcium and/or magnesium levels higher than normal indicating possible lime contamination, advise investigate. Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of dirt present in the oil. High amount of ingressed dirt has caused abrasive wear to the component.

Fluid Condition

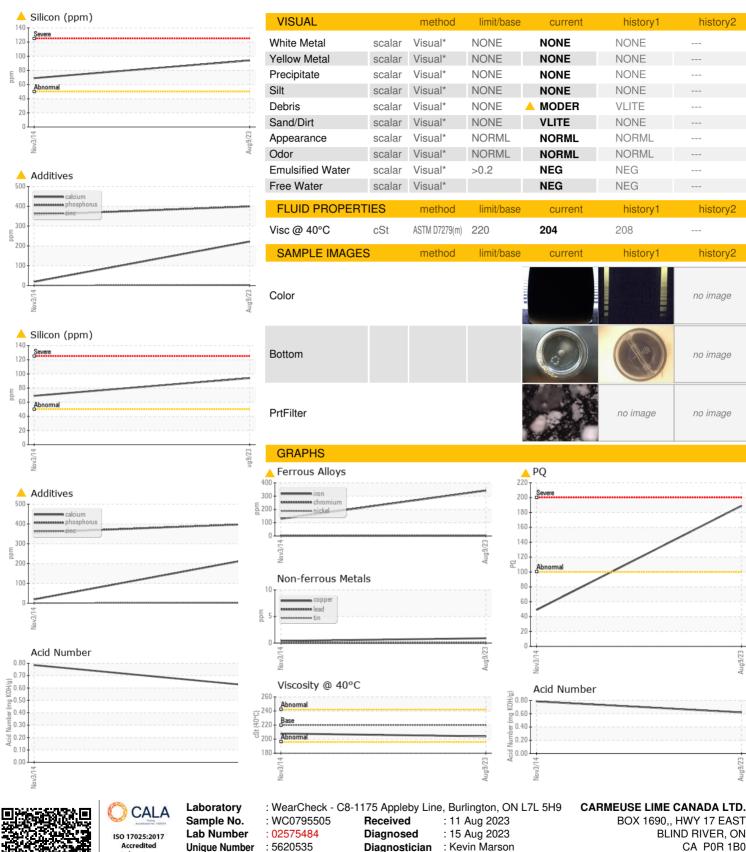
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0795505	WC925143	
Sample Date		Client Info		09 Aug 2023	03 Nov 2014	
Machine Age	hrs	Client Info		0	52366	
Oil Age	hrs	Client Info		0	29656	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<u> </u>	49	
Iron	ppm	ASTM D5185(m)	>200	<u> </u>	129	
Chromium	ppm	ASTM D5185(m)	>15	1	<1	
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	<1	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)	>25	2	<1	
Lead	ppm	ASTM D5185(m)	>100	0	0	
Copper	ppm	ASTM D5185(m)	>200	<1	<1	
Tin	ppm	ASTM D5185(m)	>25	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		11	18	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		2	1	
Magnesium	ppm	ASTM D5185(m)		8	1	
Calcium	ppm	ASTM D5185(m)		<u> </u>	19	
Phosphorus	ppm	ASTM D5185(m)		399	357	
Zinc	ppm	ASTM D5185(m)		3	<1	
Sulfur	ppm	ASTM D5185(m)		2062	2001	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4 94	69	
Sodium	ppm	ASTM D5185(m)		0	0	
Potassium	ppm	ASTM D5185(m)	>20	15	11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.62	0.785	



OIL ANALYSIS REPORT



CA POR 1B0 Laboratory Test Package : IND 2 (Additional Tests: BottomAnalysis, FILTERPATCH, TAN Man) Contact: Rejean Baillargeon To discuss this sample report, contact Customer Service at 1-800-268-2131. rejean.baillargeon@carmeusena.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (705)849-2201 Validity of results and interpretation are based on the sample and information as supplied. F: (705)849-2355

Contact/Location: Rejean Baillargeon - REIBLI

BLIND RIVER, ON

history2

historv2

history2

no image

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