

PROBLEM SUMMARY

Sample Rating Trend

WEAR

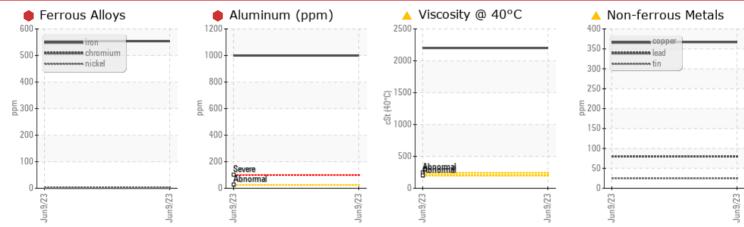


Component Gearbox

Fluid

SHAEFFERS MOLY UNIVERSAL G/O (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE		
Iron	ppm	ASTM D5185m	>200	6 554		
Aluminum	ppm	ASTM D5185m	>25	🛑 1000		
Copper	ppm	ASTM D5185m	>200	A 367		
Tin	ppm	ASTM D5185m	>25	4 25		
Visc @ 40°C	cSt	ASTM D445		<u> </u>		

Customer Id: NATEAS Sample No.: PCA0100286 Lab Number: 05872746 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED	ACTIONS	ACTIONS				
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
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.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

WEAR

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Fluid SHAEFFERS MOLY UNIVERSAL G/O (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

🛡 Wear

Bearing and/or gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

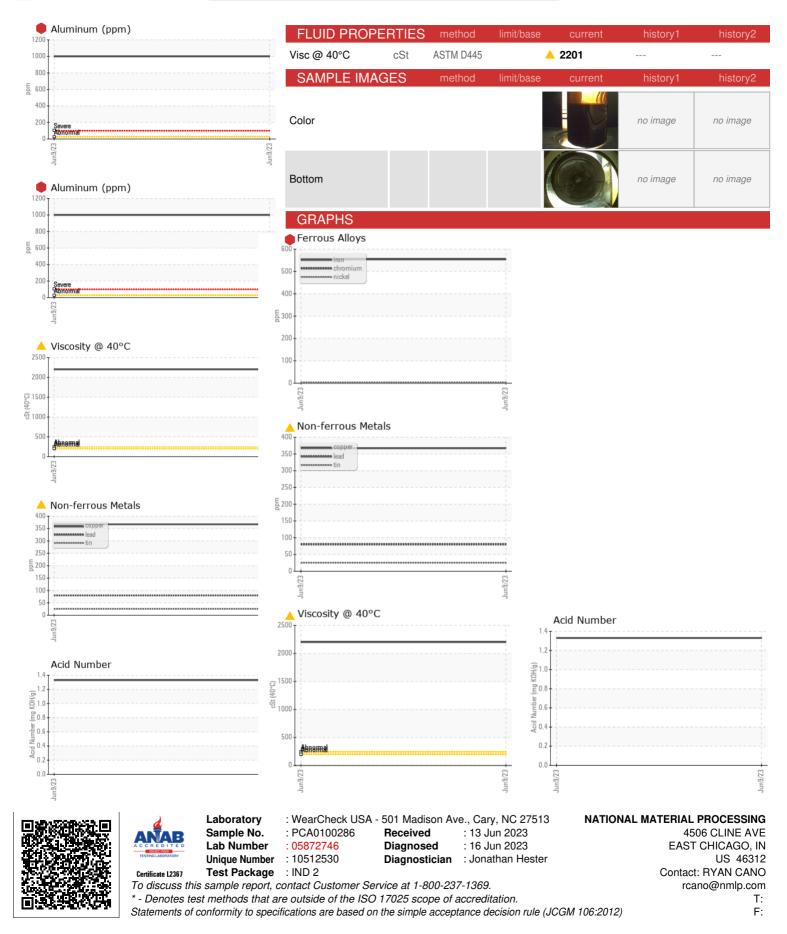
Fluid Condition

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

				Jun2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100286		
Sample Date		Client Info		09 Jun 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5 54		
Chromium	ppm	ASTM D5185m	>15	2		
Nickel	ppm	ASTM D5185m	>15	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>25	1000		
Lead	ppm	ASTM D5185m	>100	80		
Copper	ppm	ASTM D5185m	>200	▲ 367		
Tin	ppm	ASTM D5185m	>25	▲ 25		
Vanadium	ppm	ASTM D5185m	2 60	<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	linitodoo	19		
Barium	ppm	ASTM D5185m		<1		
		ASTM D5185m		275		
Molybdenum	ppm			5		
Manganese	ppm	ASTM D5185m				
Magnesium	ppm	ASTM D5185m		35		
Calcium	ppm	ASTM D5185m		113		
Phosphorus	ppm	ASTM D5185m		841		
Zinc	ppm	ASTM D5185m		228		
Sulfur	ppm	ASTM D5185m		11349		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	29		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.33		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
(06·25) Rev: 1				Contact/Lo	cation: BYAN C	



OIL ANALYSIS REPORT



Contact/Location: RYAN CANO - NATEAS