

## **OIL ANALYSIS REPORT**

Sample Rating Trend



# PIERCE 807 (S/N 4P1BAAGF1EA014651)

Component Transmission (Auto)

Fluid HERCULINE SYNTHETIC ATF (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

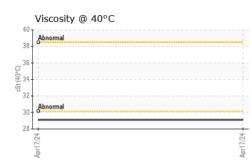
#### Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117718		
Sample Date		Client Info		17 Apr 2024		
Machine Age	mls	Client Info		39843		
Oil Age	mls	Client Info		3783		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
-			11 1. 11	-		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	16		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>5	0		
Aluminum	ppm	ASTM D5185m	>50	4		
Lead	ppm	ASTM D5185m	>50	2		
Copper	ppm	ASTM D5185m	>225	8		
Tin	ppm	ASTM D5185m	>10	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		67		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		8		
Calcium	ppm	ASTM D5185m		139		
Phosphorus	ppm	ASTM D5185m		198		
Zinc	ppm	ASTM D5185m		43		
Sulfur	ppm	ASTM D5185m		1741		
				1/41		
CONTAMINAN	TS	method	limit/base	current	history1	history2
		method ASTM D5185m				
Silicon	ppm	ASTM D5185m		current 5	history1	history2
Silicon Sodium				current	history1	history2 
Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>20	current 5 3	history1	history2 
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	current 5 3 2	history1  	history2  
Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>20 >20 limit/base	current 5 3 2 current	history1   history1	history2   history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> *Visual	>20 >20 limit/base NONE	current 5 3 2 current NONE	history1   history1 	history2   history2 
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m <b>method</b> *Visual	>20 >20 limit/base NONE NONE	current 5 3 2 current NONE NONE	history1   history1 	history2   history2 
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m •Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE	current 5 3 2 current NONE NONE NONE	history1   history1  	history2   history2  
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE	current 5 3 2 current NONE NONE NONE NONE	history1 history1	history2   history2  
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE	current 5 3 2 current NONE NONE NONE NONE NONE	history1 history1	history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE	current 5 3 2 current NONE NONE NONE NONE NONE NONE	history1 history1	history2
Silicon Sodium Potassium VISUAL	ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	current 5 3 2 current NONE NONE NONE NONE NONE NONE NONE	history1 history1	history2 history2
Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	current 5 3 2 current NONE NONE NONE NONE NONE NONE NONE NON	history1               history1	history2 history2



# **OIL ANALYSIS REPORT**



	FLUID PROP	ERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D44	5	29.1		
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
	Color				no image	no image	no image
17/11/0	Bottom				no image	no image	no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	300 250 Severe			12	Severe		
	200 Abnormal				0 -		
	150 - T			- Mdd	0		
	100			4	0		
	o L				0		
	Apr1 7/24			Apr17/24 -	Apr17/24		
	⊲ Aluminum (ppm)	)		Ă	⊲ Chromium (p)	um)	
		,		1	<sup>2</sup> T -	, , , , , , , , , , , , , , , , , , ,	
	80 -				0 - Severe		
	<sup>60</sup> Abnormal				6 Abnormal		
¢	40-				4		
	20-				2 -		
	0			Apr17/24	Apr17/24		
	Apr17/24			Apr1	Apr1		
	Copper (ppm)			4	Silicon (ppm)	)	
	400 - Severe				Severe		
	300			3			
muu	Abnormal 200			<u>لم</u> 2	0 - Abnormal		
	100-			1	0-		
	0				0		
	Apr17/24			Apr17/24	Apr17/24		
	ح Viscosity @ 40°	2		A	⊲ Additives		
	40 Abnormal			25	0 T		
	30-			20	0 - calcium phosphor zinc	U S'	
	36			15 E			
	73 32 -						
	30 - Abnormal			5			
	28 ++7//LlndA			Apr17/24 +	04+5/2		
	Aprl			Apr1	Apr17/24		
	: WearCheck USA - 5 : PCA0117718	501 Madiso <b>Rece</b>		ry, NC 27513 22 Apr 2024	VIL	LAGE OF NOR: 2345 S	<b>TH RIVERS</b> I 6 DESPLAIN
er	: 06156470	Teste	ed : 2	24 Apr 2024			RIVERSIDE
	: 10991893 : MOB 1	Diag	nosed :2	4 Apr 2024 - Jona	than Hester	Contact: S	US 605 ervice Mana
						COMACE S	

To discuss this sample report \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: VILNOR [WUSCAR] 06156470 (Generated: 04/24/2024 17:23:15) Rev: 1

Certificate L2367

Contact/Location: Service Manager - VILNOR

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