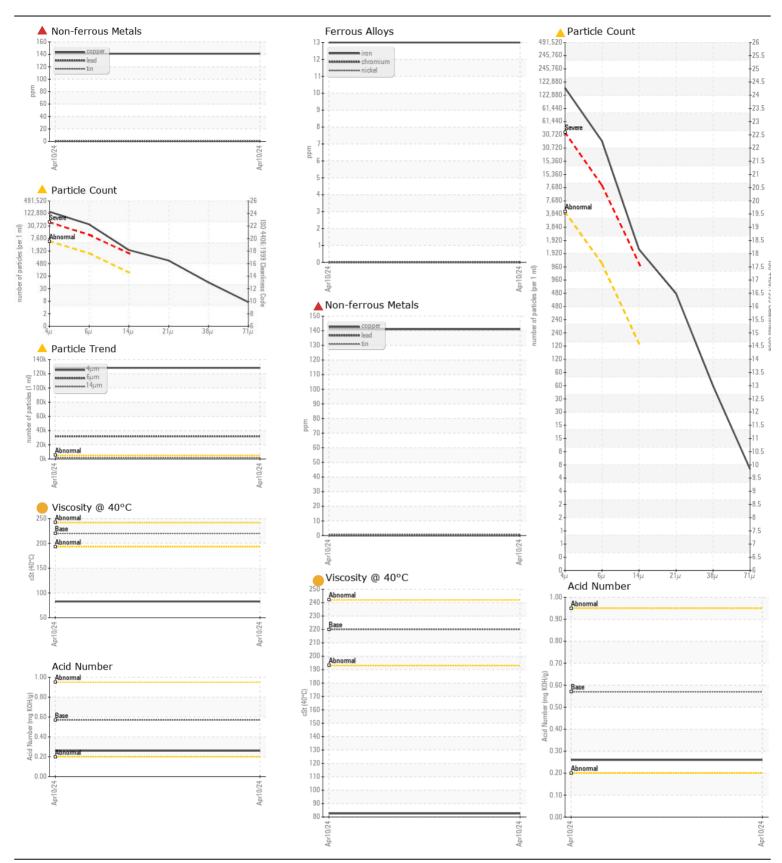
WEAR CONTAMINATION **FLUID CONDITION**

SEVERE ABNORMAL ATTENTION

Machine Id 13095

Hydraulic System

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number		Client Info		PCA0121157		
	Sample Date		Client Info		10 Apr 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				SEVERE		
/EAR	Iron	ppm	ASTM D5185m	>20	13		
ENIT	Chromium	ppm	ASTM D5185m		0		
The copper level is severe.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	720	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>20	0		
	Lead		ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		<u>↓</u> 141		
	Tin		ASTM D5185m		<1 <1		
	Vanadium	ppm	ASTM D5185m	>20	0		
	White Metal	ppm	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	reliow Metai	scalar	visuai	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m		<1		
and in a laimb amount of montion later amount in the cit	Potassium	ppm	ASTM D5185m		0		
There is a high amount of particulates present in the oil.	Water	%	ASTM D6304	>0.05	NEG		
	Particles >4μm		ASTM D7647	>5000	<u> </u>		
	Particles >6µm		ASTM D7647	>1300	4 31930		
	Particles >14μm		ASTM D7647	>160	<u> </u>		
	Particles >21µm		ASTM D7647	>40	593		
	Particles >38μm		ASTM D7647	>10	53		
	Particles >71µm		ASTM D7647	>3	<u>^</u> 6		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	24/22/18		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		1		
	Boron	ppm	ASTM D5185m	5	0		
The oil viscosity is lower than normal. Confirm oil type.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	25	0		
	Calcium	ppm	ASTM D5185m	200	11		
	Phosphorus	ppm	ASTM D5185m		287		
	Zinc	ppm	ASTM D5185m	370	159		
	Sulfur	ppm	ASTM D5185m		1589		
	Acid Number (AN)	mg KOH/g	ASTM D310311		0.26		
	Visc @ 40°C	cSt	ASTM D0045		82.6		





Certificate L2367

Laboratory Sample No.

Lab Number : 06150304 Unique Number: 10980382 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0121157 Received **Tested** Diagnosed

: 16 Apr 2024 : 22 Apr 2024 : 22 Apr 2024 - Jonathan Hester **RAYBESTOS POWERTRAIN** 1204 DARLINGTON AVE CRAWFORDSVILLE, IN US 47933

Contact: DON B.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

T: F: