

PROBLEM SUMMARY

Sample Rating Trend

WEAR

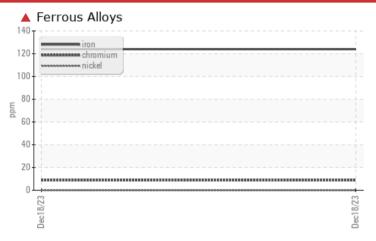


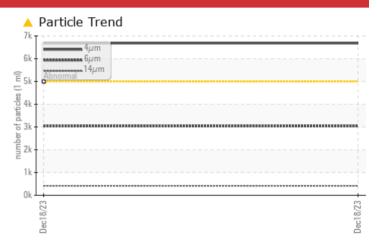
7406-E BOILER 1 HYD SKID

Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Iron	ppm	ASTM D5185m	>20	124				
Particles >4μm		ASTM D7647	>5000	△ 6679				
Particles >6µm		ASTM D7647	>1300	△ 3036				
Particles >14µm		ASTM D7647	>160	414				
Particles >21µm		ASTM D7647	>40	<u> </u>				
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 20/19/16				

Customer Id: WHESAUPCA Sample No.: PCA0083636 Lab Number: 06114222 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 ihester@wearcheckusa.com

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.			
Change Filter			?	We recommend you service the filters on this component.			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





7406-E BOILER 1 HYD SKID

Hydraulic System

FIRE-RESISTANT FLUID ISO 46 (--- GAL)

DIAGNOSIS

Recommendation

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.

Wear

The iron level is severe.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0083636		
Sample Date		Client Info		18 Dec 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	124		
Chromium	ppm	ASTM D5185m	>20	9		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	254		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	5	0		
Calcium	ppm	ASTM D5185m	50	0		
Phosphorus	ppm	ASTM D5185m	175	83		
Zinc	ppm	ASTM D5185m	62	40		
Sulfur	ppm	ASTM D5185m	500	505		
CONTAMINANT	• •	method	limit/base		history1	history2
Silicon	ppm		>15	3	Thistory I	111310172
Sodium	ppm	ASTM D5185m	>10	6		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D5103111	>55	NEG		
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14μm		ASTM D7647	>160	<u>▲</u> 414		
Particles >21µm		ASTM D7647		<u> </u>		
Particles >38µm		ASTM D7647	>10	4		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	△ 20/19/16		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

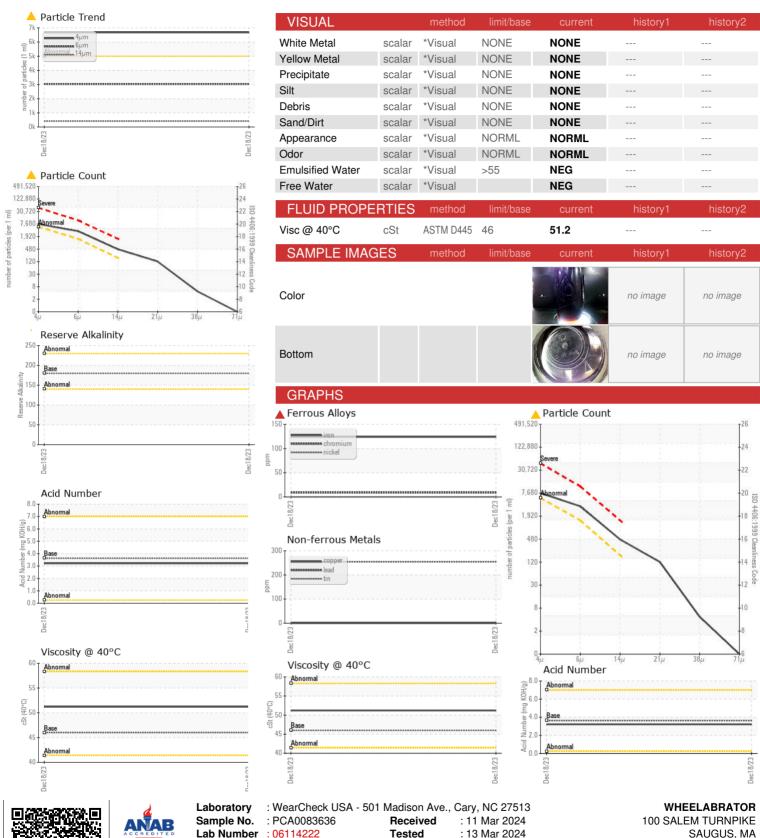
Acid Number (AN)

mg KOH/g ASTM D8045 3.63

3.22



OIL ANALYSIS REPORT





Lab Number

: 06114222

Tested Unique Number: 10923055 Diagnosed

Test Package : IND 2 (Additional Tests: KF, pH, ReserveAlk) 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)

: 13 Mar 2024 - Jonathan Hester

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US 01906

Contact: