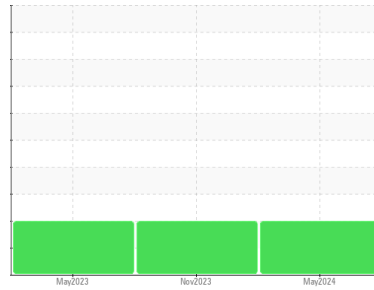




# OIL ANALYSIS REPORT

Machine Id  
**45740**  
 Component  
**Hydraulic System**  
 Fluid  
**SUN 32 (400 GAL)**

## Sample Rating Trend



ISO



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

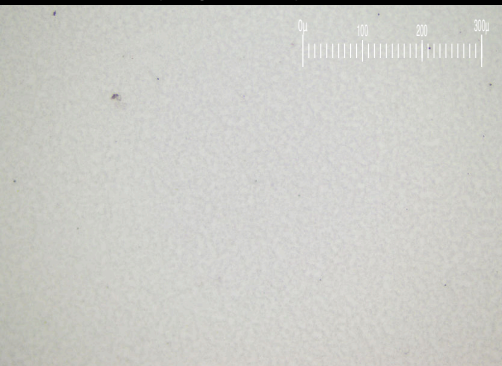
### Contamination

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

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Particle Filter (Magn: 200 x)



SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PH0001897</b>	PH0000411	PH05857220
Sample Date	Client Info			<b>09 May 2024</b>	08 Nov 2023	08 May 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>1</b>	<1	1
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>20	<b>9</b>	6	6
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>44</b>	22	47
Phosphorus	ppm	ASTM D5185m		<b>339</b>	313	345
Zinc	ppm	ASTM D5185m		<b>410</b>	395	417
Sulfur	ppm	ASTM D5185m		<b>962</b>	652	984

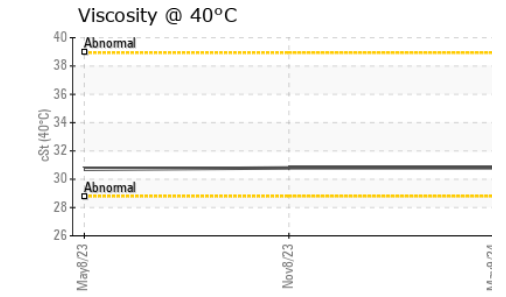
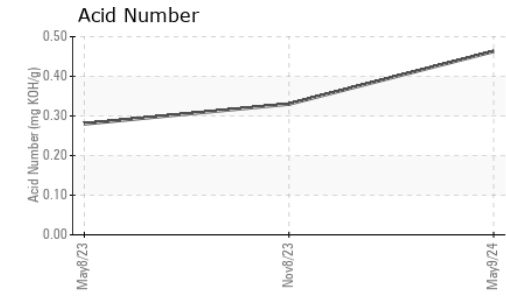
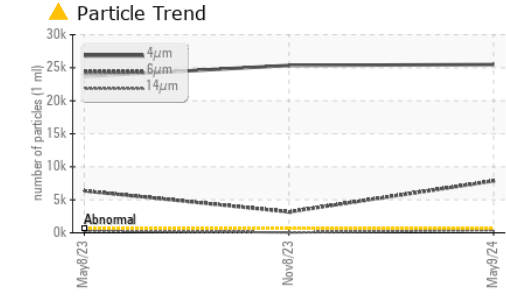
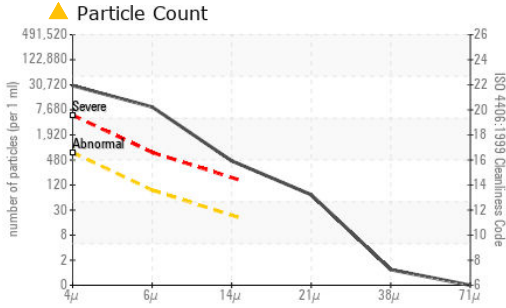
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	1	<1
Sodium	ppm	ASTM D5185m		<b>1</b>	0	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>640	<b>▲ 25483</b>	▲ 25347	▲ 23695	
Particles >6µm	ASTM D7647	>80	<b>▲ 7854</b>	▲ 3172	▲ 6355	
Particles >14µm	ASTM D7647	>20	<b>▲ 402</b>	▲ 45	▲ 317	
Particles >21µm	ASTM D7647	>4	<b>▲ 62</b>	● 8	▲ 41	
Particles >38µm	ASTM D7647	>3	<b>1</b>	0	2	
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0	
Oil Cleanliness	ISO 4406 (c)	>16/13/11	<b>▲ 22/20/16</b>	▲ 22/19/13	▲ 22/20/15	

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.463</b>	0.33	0.28



# OIL ANALYSIS REPORT



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PH0001897      **Received** : 13 May 2024  
**Lab Number** : **06177099**      **Tested** : 16 May 2024  
**Unique Number** : 11023152      **Diagnosed** : 16 May 2024 - Angela Borella  
**Test Package** : PLANT ( Additional Tests: PrtFilter )

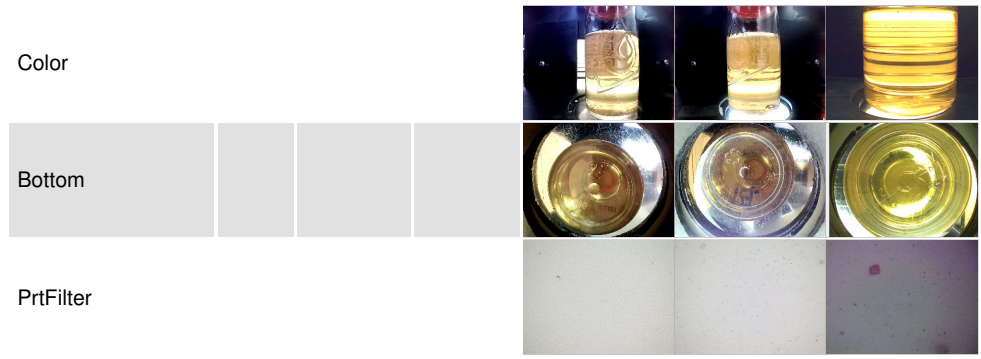
**JERSEY SHORE STEEL CO**  
 2800 CANFIELDS LN  
 MONTOURSVILLE, PA  
 US 17754  
 Contact: RICK ZINCK  
 rzinck@jssteel.com  
 T: (570)368-2601  
 F:

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)

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>30.8</b>	30.8	30.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS

