



Machine Id  
**GOLDHOFER PST-E 5843**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (280 GAL)**



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCAM27526</b>	---	---
Sample Date	Client Info	<b>08 Aug 2017</b>	---	---
Machine Age	hrs	<b>0</b>	---	---
Oil Age	hrs	<b>0</b>	---	---
Oil Changed	Client Info	<b>Not Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>3</b>	---	---
Chromium	ppm ASTM D5185m >10	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185m	<b>0</b>	---	---
Silver	ppm ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >10	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185m >10	<b>2</b>	---	---
Copper	ppm ASTM D5185m >75	<b>4</b>	---	---
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	---	---
Antimony	ppm ASTM D5185m	<b>0</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>3</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m	<b>6</b>	---	---
Calcium	ppm ASTM D5185m	<b>121</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>312</b>	---	---
Zinc	ppm ASTM D5185m	<b>379</b>	---	---
Sulfur	ppm ASTM D5185m	<b>1756</b>	---	---

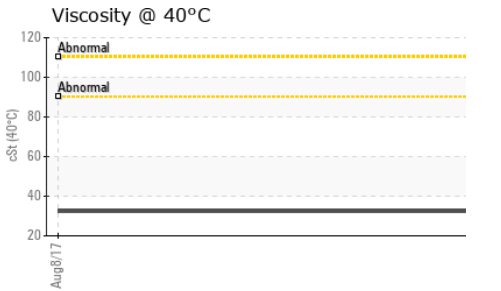
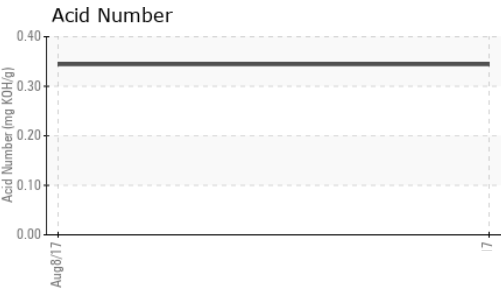
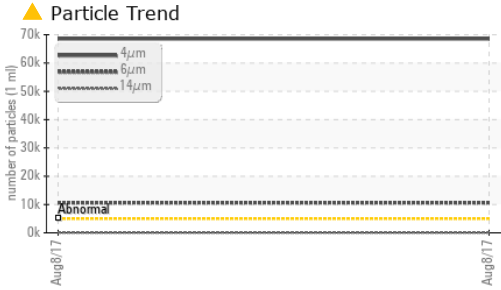
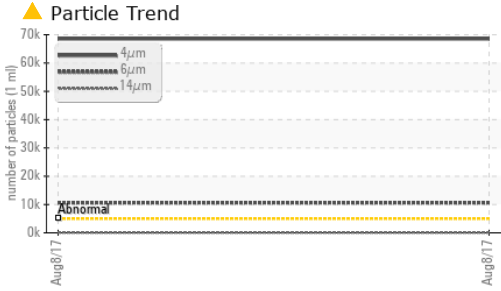
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>2</b>	---	---
Sodium	ppm ASTM D5185m	<b>2</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>▲ 68546</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>▲ 10629</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>102</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>22</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>6</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>3</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>▲ 23/21/14</b>	---	---

# OIL ANALYSIS REPORT



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.344</b>	---	---

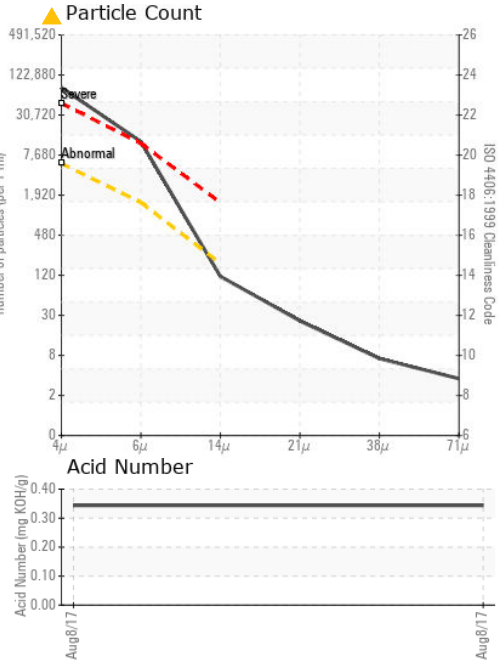
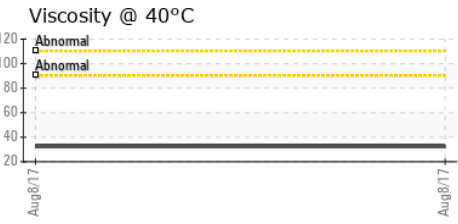
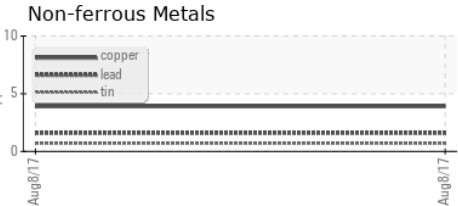
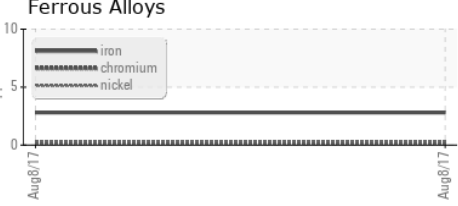
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>32.4</b>	---	---

### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCAM27526  
**Lab Number** : 04339129  
**Unique Number** : 7987716  
**Test Package** : MOB 2

**BARNHART CRANE**  
 1701 DUNN AVE  
 MEMPHIS, TN  
 US 38106  
 Contact: JOSEPH AURELIO  
 jaurelio@barnhartcrane.com  
 T: (901)271-6545  
 F: (901)271-6593

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)