



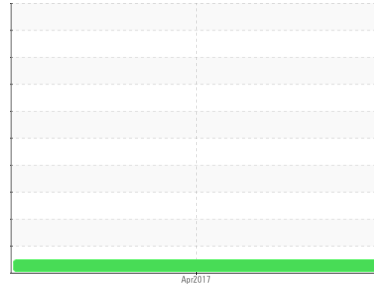
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
BLOW MOLD - 001
Component
Pump
Fluid
INDOL 68 100 (--- GAL)



DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

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		WCI2297988	---	---
Sample Date	Client Info		17 Apr 2017	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >90	<1	---	---
Chromium	ppm	ASTM D5185m	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >7	<1	---	---
Lead	ppm	ASTM D5185m >12	<1	---	---
Copper	ppm	ASTM D5185m >30	1	---	---
Tin	ppm	ASTM D5185m >9	0	---	---
Antimony	ppm	ASTM D5185m	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

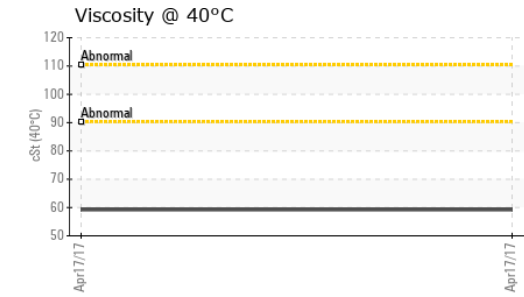
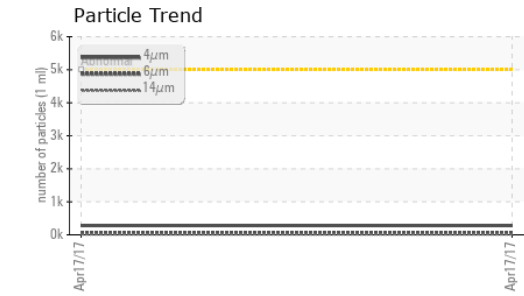
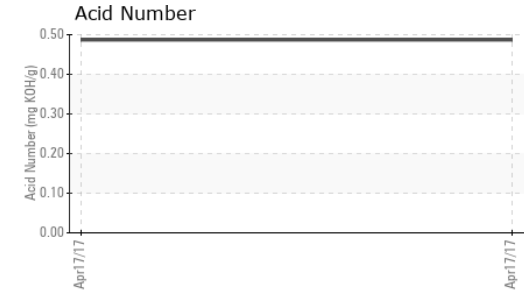
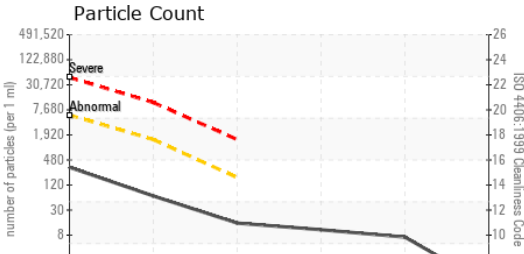
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	---	---
Barium	ppm	ASTM D5185m	<1	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m	1	---	---
Calcium	ppm	ASTM D5185m	55	---	---
Phosphorus	ppm	ASTM D5185m	360	---	---
Zinc	ppm	ASTM D5185m	423	---	---
Sulfur	ppm	ASTM D5185m	780	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >60	<1	---	---
Sodium	ppm	ASTM D5185m	<1	---	---
Potassium	ppm	ASTM D5185m >20	15	---	---



OIL ANALYSIS REPORT

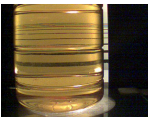



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	282	---	---
Particles >6µm	ASTM D7647	>1300	58	---	---
Particles >14µm	ASTM D7647	>160	13	---	---
Particles >21µm	ASTM D7647	>40	9	---	---
Particles >38µm	ASTM D7647	>10	6	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	15/13/11	---	---
Particles 5-15µm	count	*NAS 1638	>1300	2483	---
Particles 15-25µm	count	*NAS 1638	>160	-694	---
Particles 25-50µm	count	*NAS 1638	>40	-228	---
Particles 50-100µm	count	*NAS 1638	>10	46	---
Particles >100µm	count	*NAS 1638	>3	541	---
NAS Code		*NAS 1638	>19/17/14	12	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.487	---	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	59.23	---	---

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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC12297988 **Received** : 25 Apr 2017
Lab Number : **04208712** **Diagnosed** : 27 Apr 2017
Unique Number : 7772138 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount, PrtCountNAS)

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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)