



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CAM2 AW46 2/7/17**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

This is a baseline read-out on the submitted sample. No corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WCI2278371	---	---
Sample Date		Client Info		07 Feb 2017	---	---
Machine Age	mls	Client Info		0	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

## WEAR

Iron	ppm	ASTM D5185m		<1	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

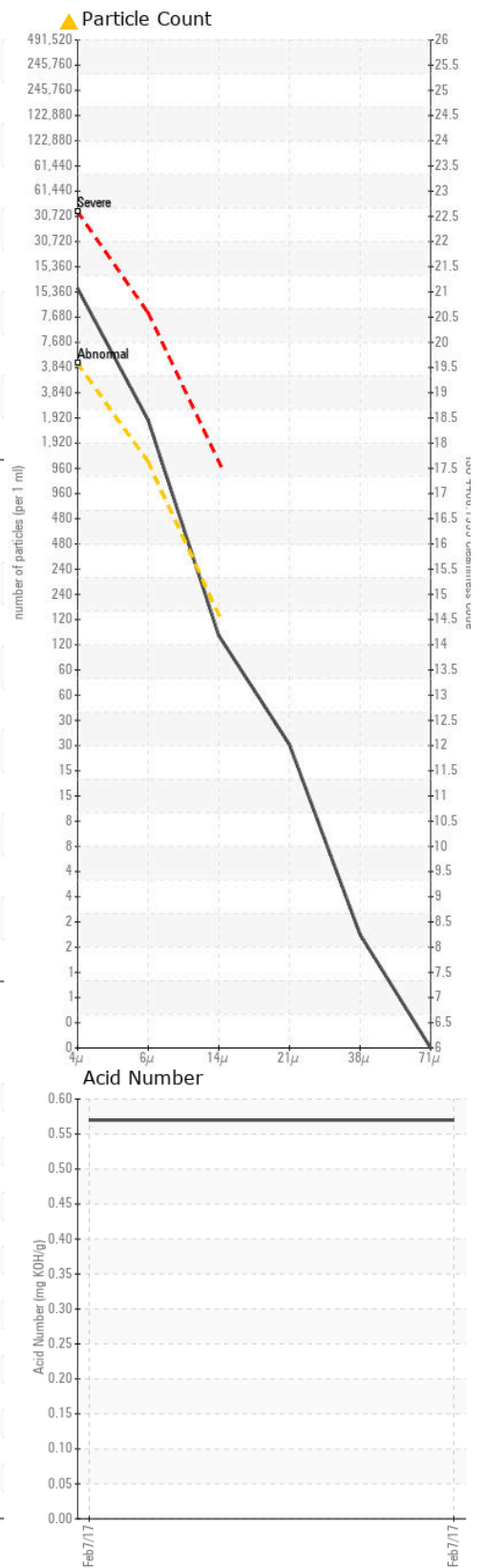
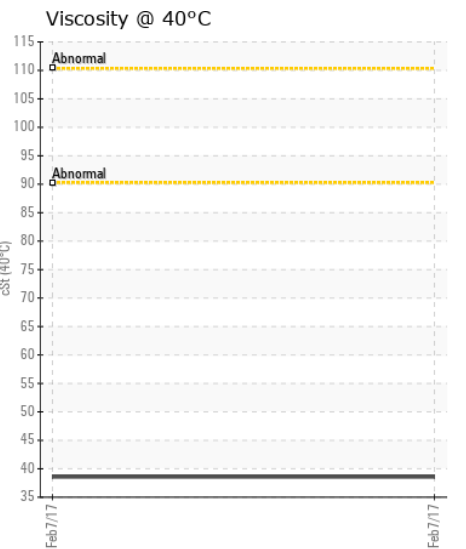
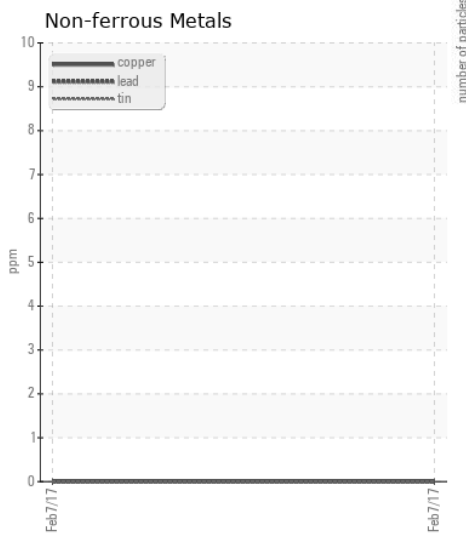
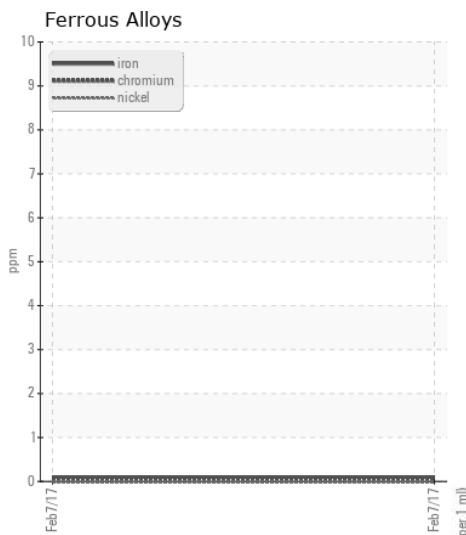
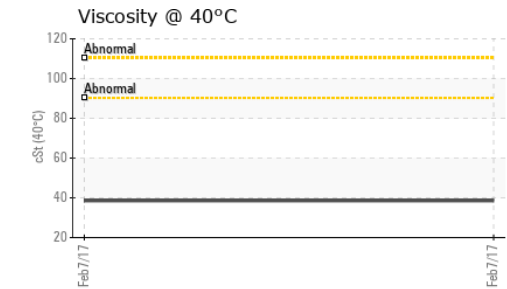
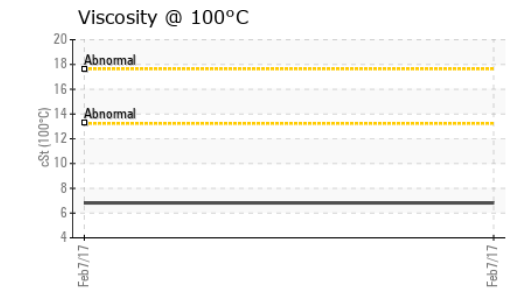
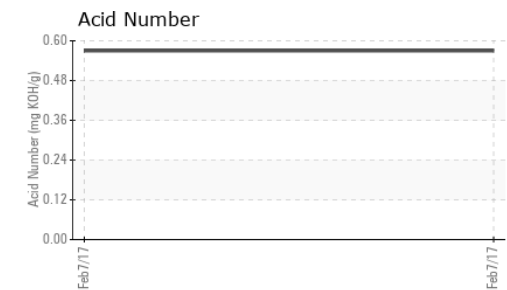
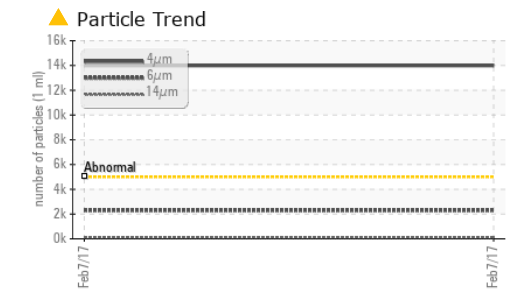
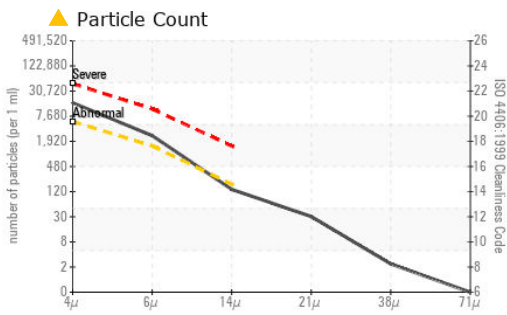
## CONTAMINATION

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

Silicon	ppm	ASTM D5185m		<1	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method		NEG	---	---
Particles >4µm		ASTM D7647	>5000	▲ 13988	---	---
Particles >6µm		ASTM D7647	>1300	▲ 2301	---	---
Particles >14µm		ASTM D7647	>160	120	---	---
Particles >21µm		ASTM D7647	>40	27	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/18/14	---	---
Particles 5-15µm	count	*NAS 1638	>1300	215138	---	---
Particles 15-25µm	count	*NAS 1638	>160	9054	---	---
Particles 25-50µm	count	*NAS 1638	>40	2518	---	---
Particles 50-100µm	count	*NAS 1638	>10	217	---	---
Particles >100µm	count	*NAS 1638	>3	0	---	---
NAS Code		*NAS 1638	>19/17/14	10	---	---
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	---	---

## FLUID CONDITION

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		2	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		112	---	---
Phosphorus	ppm	ASTM D5185m		380	---	---
Zinc	ppm	ASTM D5185m		481	---	---
Sulfur	ppm	ASTM D5185m		949	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.570	---	---
Visc @ 40°C	cSt	ASTM D445		38.57	---	---
Visc @ 100°C	cSt	ASTM D445		6.82	---	---
Viscosity Index (VI)	Scale	ASTM D2270		135	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC12278371  
**Lab Number** : 04160741  
**Unique Number** : 7694149  
**Test Package** : IND 2 ( Additional Tests: KV100, PrtCount, PrtCountNAS, VI )

**Received** : 10 Feb 2017  
**Tested** : 15 Feb 2017  
**Diagnosed** : 15 Feb 2017 - Jonathan Hester

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)

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