



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**TRC MOLY XL PRO-SPEC III SYNTHETIC15W40 SAE 15W40**  
 Component  
**New (Unused) Oil**  
 Fluid  
**TRC MOLY XL PRO-SPEC III SYNTHETIC15W40 (--- GAL)**

**RECOMMENDATION**

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR03219800	---	---
Sample Date		Client Info		30 Jan 2013	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

**WEAR**

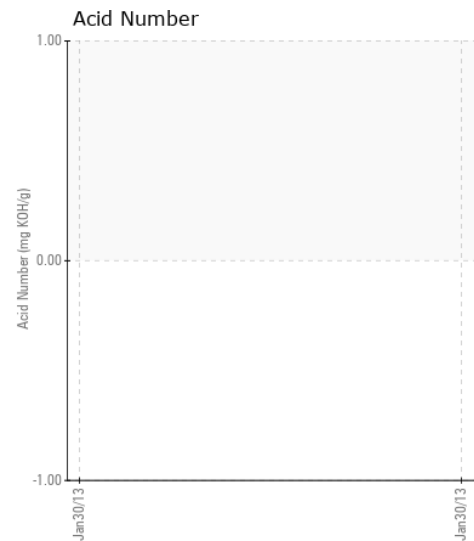
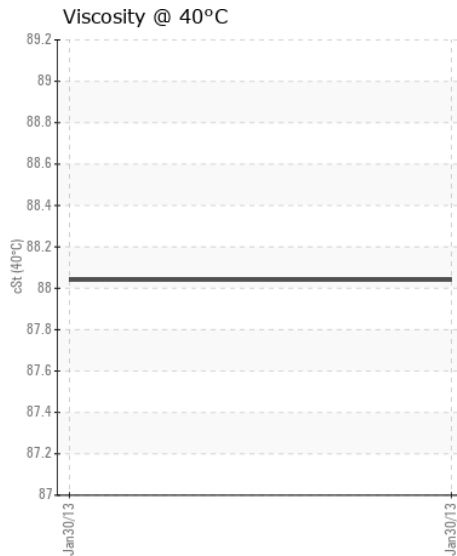
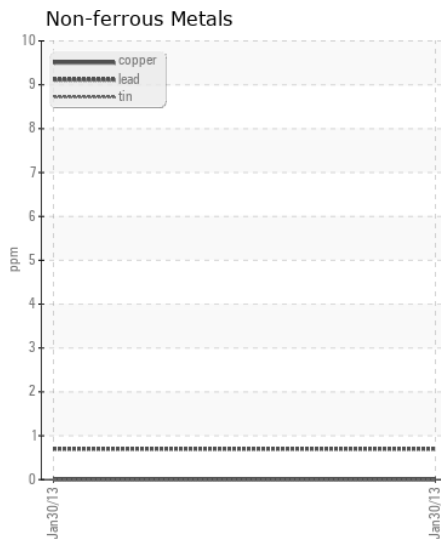
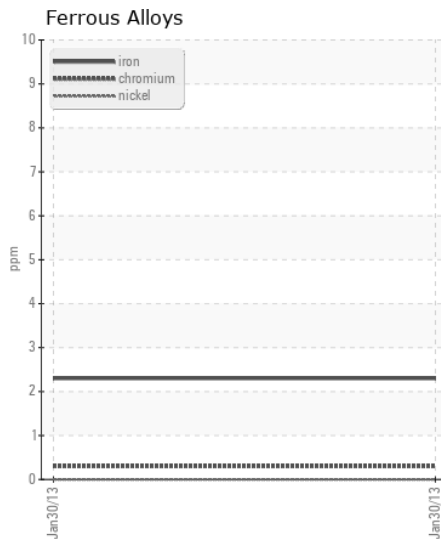
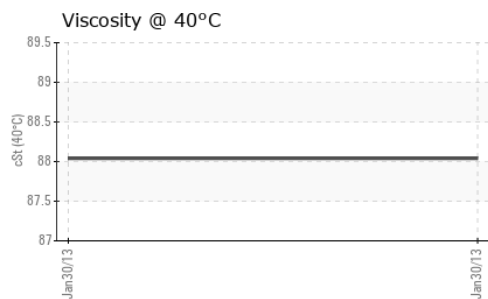
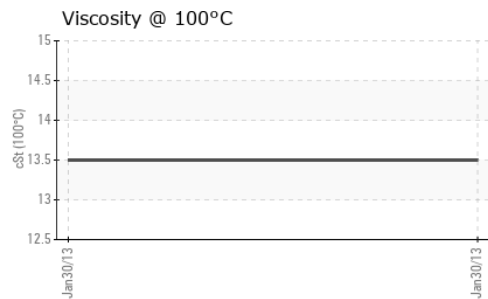
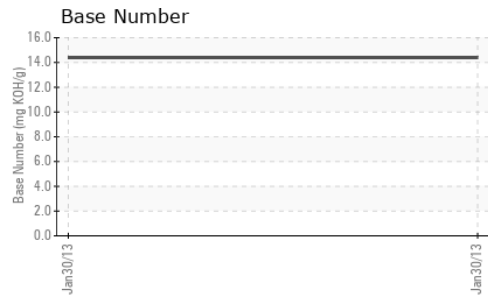
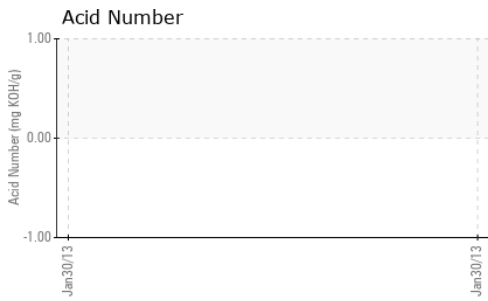
Iron	ppm	ASTM D5185m		2	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		4	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

**CONTAMINATION**

Silicon	ppm	ASTM D5185m		14	---	---
Potassium	ppm	ASTM D5185m		0	---	---
Water		WC Method		NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
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		2	---	---
Boron	ppm	ASTM D5185m		247	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		209	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		495	---	---
Calcium	ppm	ASTM D5185m		4059	---	---
Phosphorus	ppm	ASTM D5185m		968	---	---
Zinc	ppm	ASTM D5185m		1084	---	---
Sulfur	ppm	ASTM D5185m		3770	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		14.4	---	---
Visc @ 40°C	cSt	ASTM D445		88.04	---	---
Visc @ 100°C	cSt	ASTM D445		13.5	---	---
Fluid Type		*In-house		UNKNOWN	---	---
Viscosity Index (VI)	Scale	ASTM D2270		155	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : TR03219800

**Lab Number** : 03219800

**Unique Number** : 6157383

**Test Package** : MOB 2 ( Additional Tests: FluidDetermination, KV100, PrtCount, TBN, VI )

**Received** : 31 Jan 2013

**Tested** : 04 Feb 2013

**Diagnosed** : 04 Feb 2013 - Doug Bogart

**AMBROSE BROS INC**

PO BOX 155

MEREDITH, NH

US 03253

Contact: DON PERCY

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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)

T:

F: