



TRAAP

Texas Refinery Advanced Analysis Program

WEAR

NORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL

OIL ANALYSIS REPORT

Area

[BENTLEY MGMT GROUP]

Machine Id

TRC MOLY XL PRO SPEC IV 15W40

Component

New (Unused) Oil

Fluid

TRC MOLY XL PRO-SPEC IV 15W40 (--- QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02861773	---	---
Sample Date		Client Info		23 May 2011	---	---
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		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		2	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

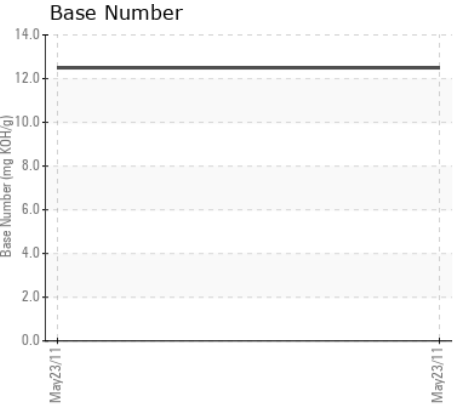
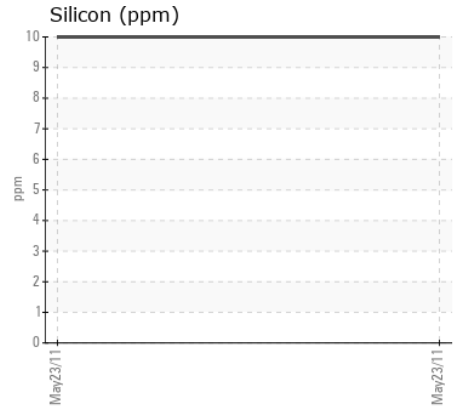
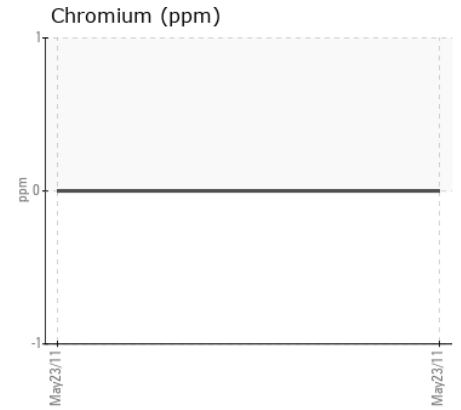
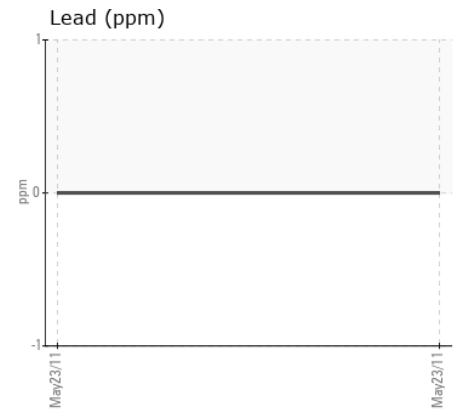
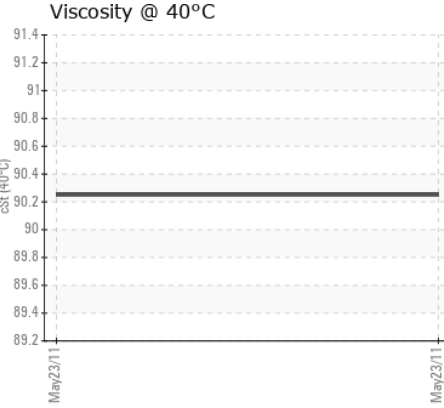
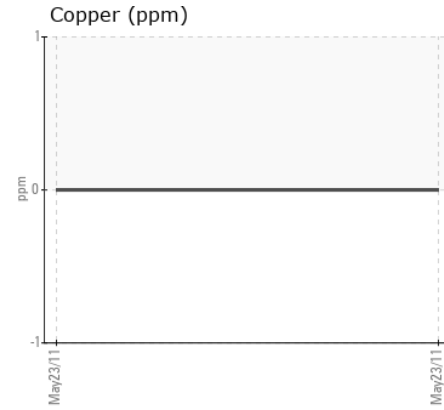
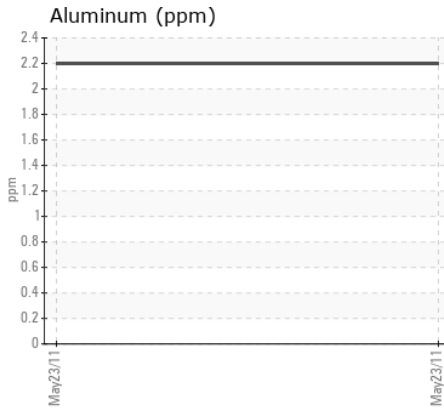
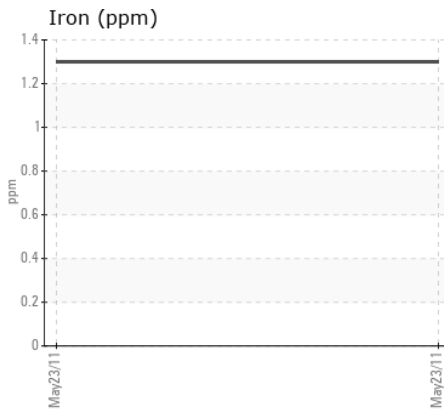
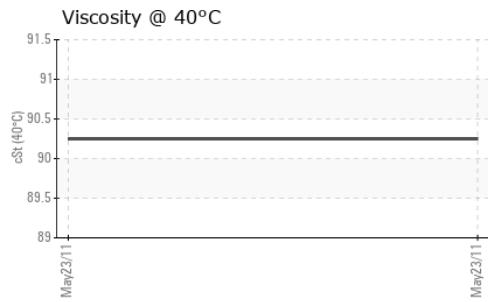
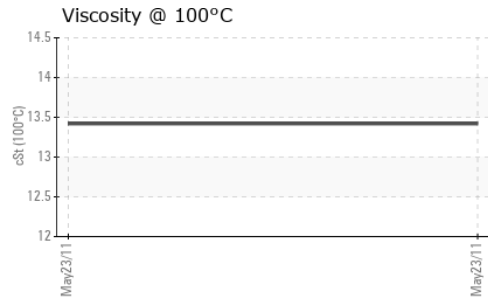
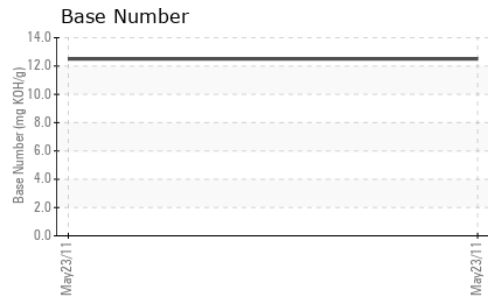
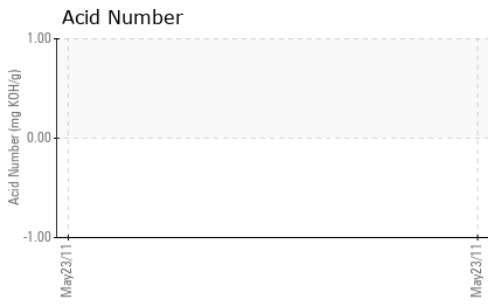
CONTAMINATION

Silicon	ppm	ASTM D5185m		10	---	---
Potassium	ppm	ASTM D5185m		2	---	---
Water		WC Method		NEG	---	---
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

The viscosity index is 149.

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m		2	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		168	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		913	---	---
Calcium	ppm	ASTM D5185m		1297	---	---
Phosphorus	ppm	ASTM D5185m		1193	---	---
Zinc	ppm	ASTM D5185m		1261	---	---
Sulfur	ppm	ASTM D5185m		3748	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		12.5	---	---
Visc @ 40°C	cSt	ASTM D445		90.25	---	---
Visc @ 100°C	cSt	ASTM D445		13.42	---	---
Viscosity Index (VI)	Scale	ASTM D2270		149	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR02861773
Lab Number : 02861773
Unique Number : 5573261
Test Package : MOB 2 (Additional Tests: KV100, TBN, VI)

Received : 24 May 2011
Tested : 25 May 2011
Diagnosed : 25 May 2011 - Jonathan Hester

DONALD PERCY
 P.O. BOX 970
 BELMONT, NH
 US 03220

Contact: DONALD PERCY
 DONJPERCY@ICLOUD.COM

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: