



TRAAP

Texas Refinery Advanced Analysis Program

WEAR

NORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL

OIL ANALYSIS REPORT

Area

[8222021683]

Machine Id

TRC PRO-SPEC IV XP SYN BLEND 15W40

Component

New (Unused) Oil

Fluid

TRC PRO-SPEC IV XP SYN BLEND 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		TR05684160	---	---
Sample Date		Client Info		24 Oct 2022	---	---
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

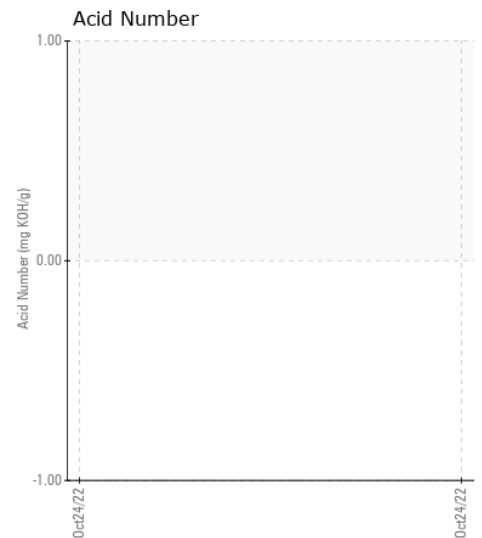
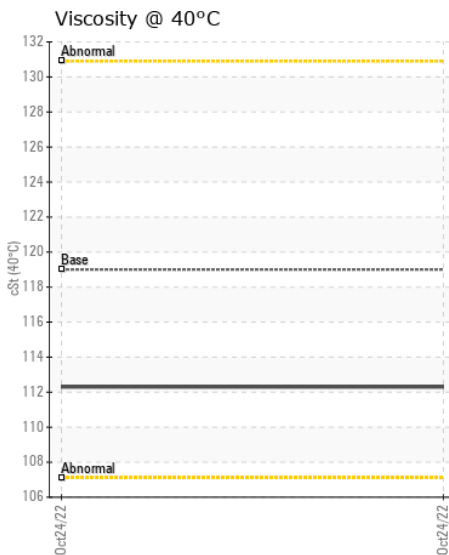
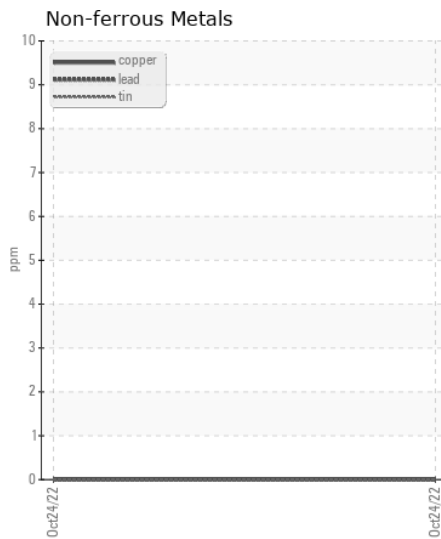
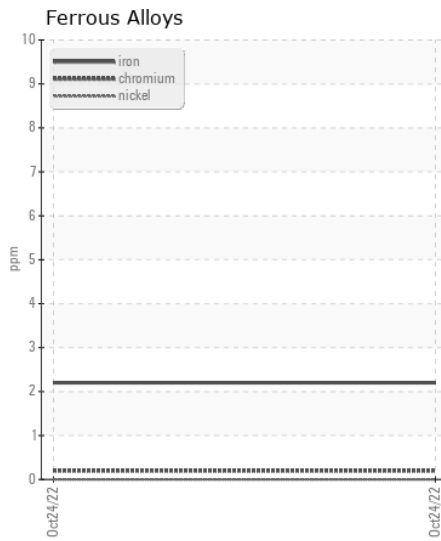
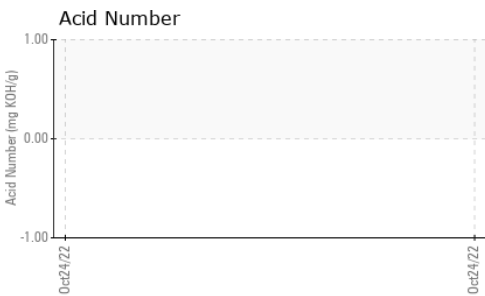
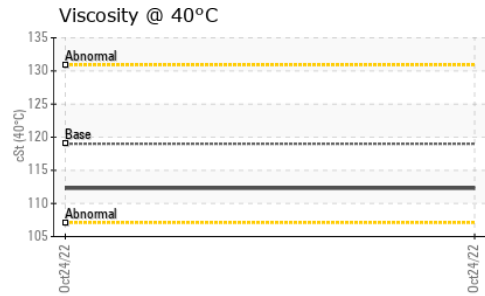
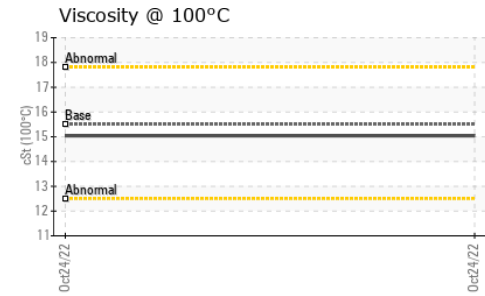
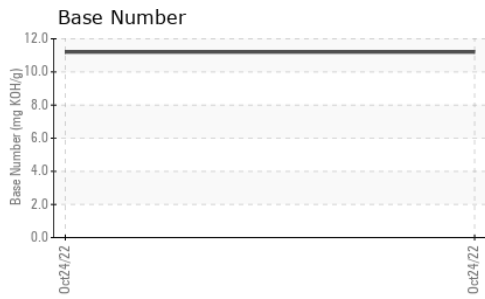
Iron	ppm	ASTM D5185m		2	---	---
Chromium	ppm	ASTM D5185m		<1	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		1	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---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

CONTAMINATION

Silicon	ppm	ASTM D5185m		7	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
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		1	---	---
Boron	ppm	ASTM D5185m		1	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		34	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		13	---	---
Calcium	ppm	ASTM D5185m		3594	---	---
Phosphorus	ppm	ASTM D5185m		912	---	---
Zinc	ppm	ASTM D5185m		843	---	---
Sulfur	ppm	ASTM D5185m		9504	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.2	---	---
Visc @ 40°C	cSt	ASTM D445	119	112.3	---	---
Visc @ 100°C	cSt	ASTM D445	15.5	15.04	---	---
Viscosity Index (VI)	Scale	ASTM D2270	142	139	---	---



Certificate L2367

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

Sample No. : TR05684160

Lab Number : 05684160

Unique Number : 10203732

Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI)

Received : 03 Nov 2022

Tested : 09 Nov 2022

Diagnosed : 09 Nov 2022 - Jonathan Hester

DE LA PAZ

KINGSVILLE, TX
US

Contact: ROY SAGREDO

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: