



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**15W40 - PURYEAR TANK LINES APEX TANK**

Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HRE06189672	---	---
Sample Date		Client Info		22 May 2024	---	---
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				ABNORMAL	---	---

### 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		<1	---	---
Aluminum	ppm	ASTM D5185m		1	---	---
Lead	ppm	ASTM D5185m		<1	---	---
Copper	ppm	ASTM D5185m		<1	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

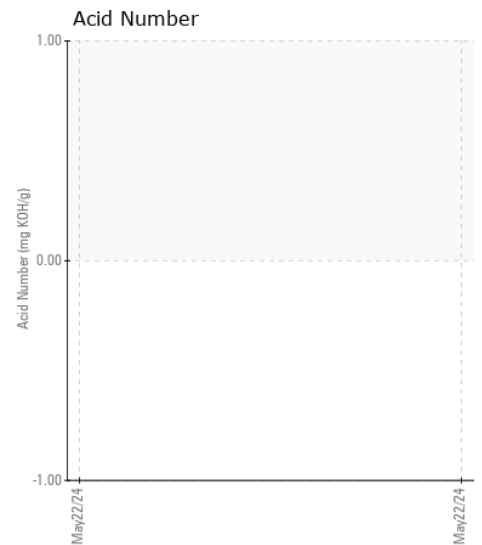
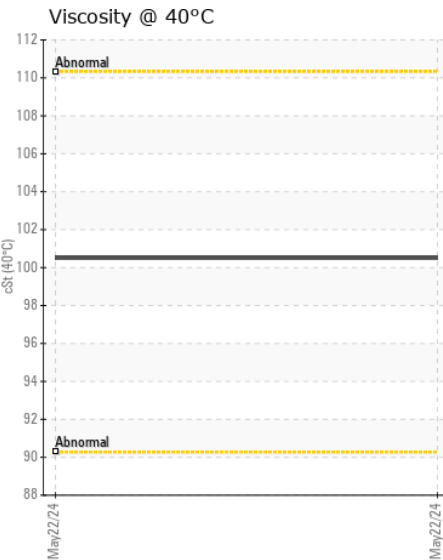
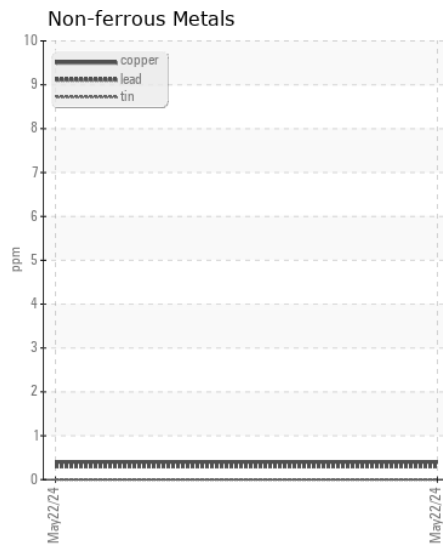
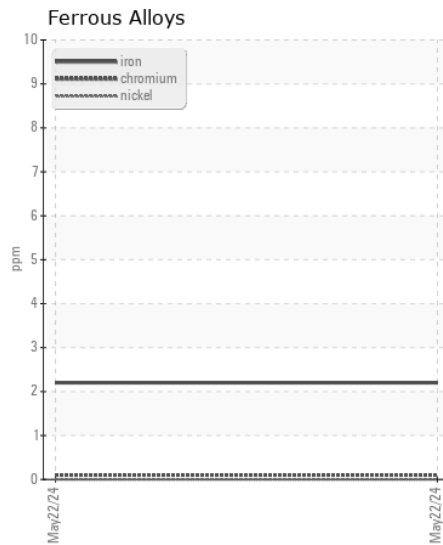
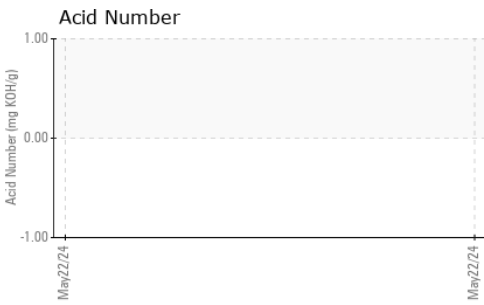
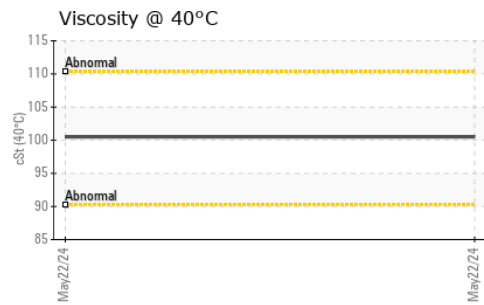
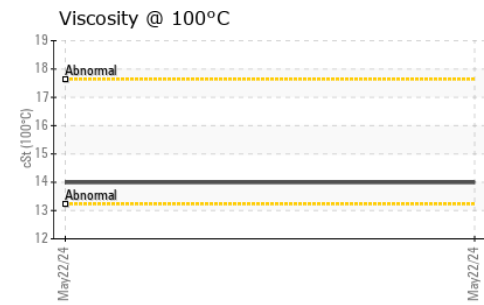
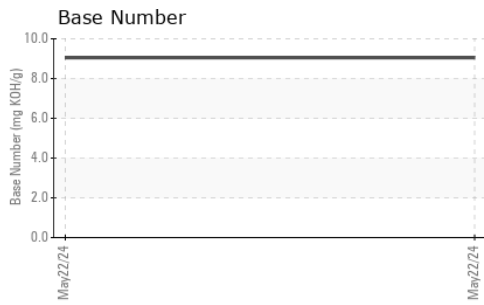
### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m		6	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method		NEG	---	---
Silt	scalar	*Visual	NONE	▲ MODER	---	---
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		2	---	---
Boron	ppm	ASTM D5185m		18	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		71	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		429	---	---
Calcium	ppm	ASTM D5185m		1805	---	---
Phosphorus	ppm	ASTM D5185m		1060	---	---
Zinc	ppm	ASTM D5185m		1253	---	---
Sulfur	ppm	ASTM D5185m		4431	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		9.05	---	---
Visc @ 40°C	cSt	ASTM D445		100.5	---	---
Visc @ 100°C	cSt	ASTM D445		13.99	---	---
Viscosity Index (VI)	Scale	ASTM D2270		141	---	---



Certificate L2367

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

**Sample No.** : HRE06189672

**Lab Number** : 06189672

**Unique Number** : 11046424

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

**Received** : 23 May 2024

**Tested** : 30 May 2024

**Diagnosed** : 30 May 2024 - Jonathan Hester

**HUTCHENS PETROLEUM**

22 PERFORMANCE DR

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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)