



TRAAP

Texas Refinery Advanced Analysis Program

WEAR

NORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL

OIL ANALYSIS REPORT

Area

[0164488]

Machine Id

CASE IH STEIGER 535 Z8F109453

Component

Front Rear Lube System

Fluid

CASE CASE IH HY-TRAN ULTRA (90 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06084966	---	---
Sample Date		Client Info		07 Dec 2023	---	---
Machine Age	hrs	Client Info		9250	---	---
Oil Age	hrs	Client Info		4000	---	---
Filter Age	hrs	Client Info		1100	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	18	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	5	---	---
Lead	ppm	ASTM D5185m	>10	1	---	---
Copper	ppm	ASTM D5185m	>75	21	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

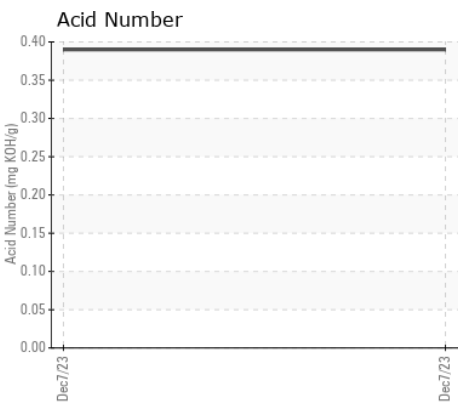
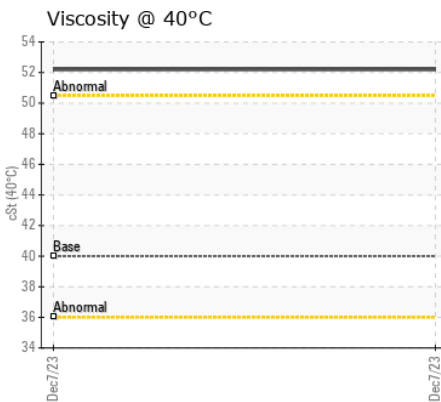
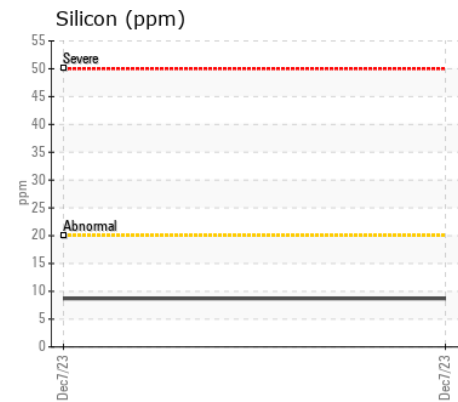
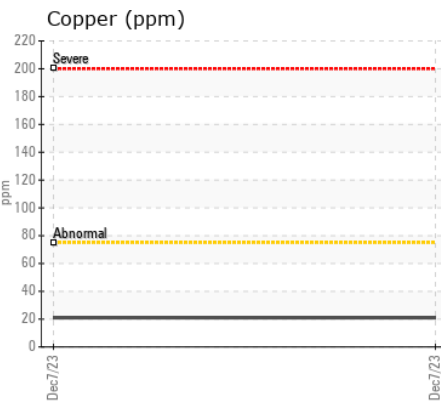
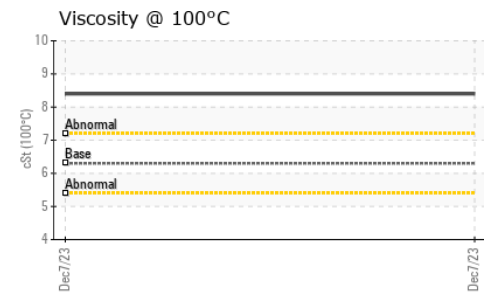
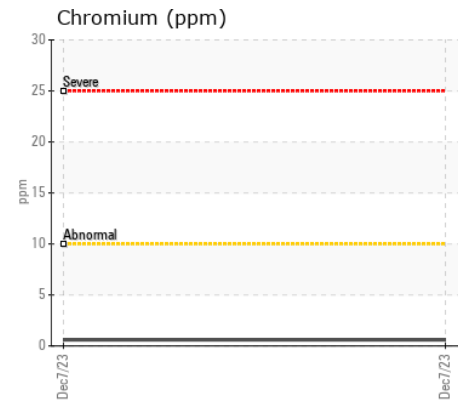
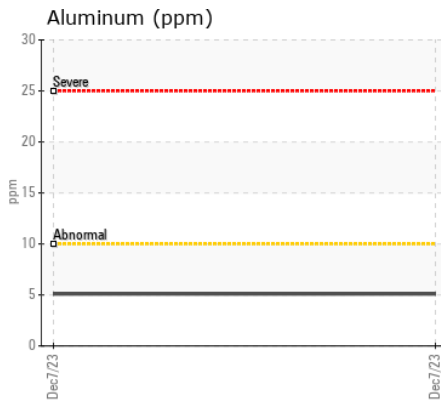
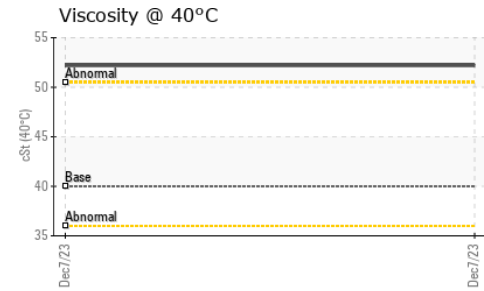
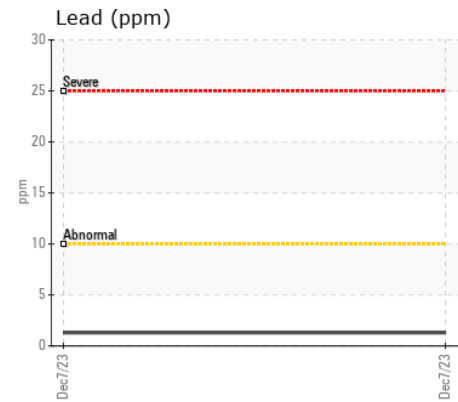
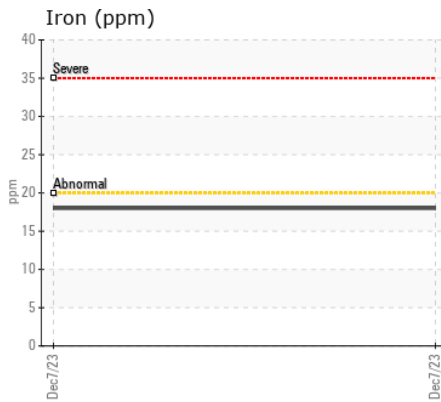
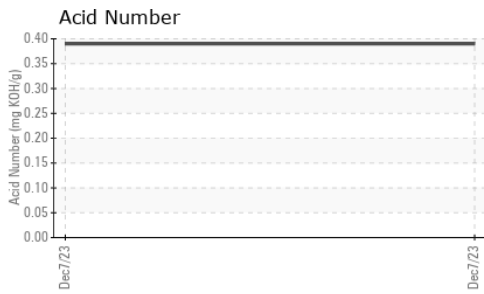
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	9	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method	>0.1	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	>0.1	NEG	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m		113	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		10	---	---
Calcium	ppm	ASTM D5185m		2923	---	---
Phosphorus	ppm	ASTM D5185m		801	---	---
Zinc	ppm	ASTM D5185m	0.0	209	---	---
Sulfur	ppm	ASTM D5185m		4004	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.39	---	---
Visc @ 40°C	cSt	ASTM D445	40	52.2	---	---
Visc @ 100°C	cSt	ASTM D445	6.3	8.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270	103	135	---	---



Certificate L2367

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

Sample No. : TR06084966

Lab Number : 06084966

Unique Number : 10872411

Test Package : MOB 2 (Additional Tests: KV100, VI)

Received : 09 Feb 2024

Tested : 12 Feb 2024

Diagnosed : 12 Feb 2024 - Jonathan Hester

LARRY SCHMIDT

8703 HIGHWAY 61

ALLIGATOR, MS

US 38720-9700

Contact: LARRY SCHMIDT

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T:

F:

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)