



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CASE IH 620 QUAO TRACK 09178F4 (S/N ZEF301051)

Component
Transmission (Manual)

Fluid
CASE IH HY-TRAN PREMIUM (15 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06083115	---	---
Sample Date		Client Info		23 Jan 2024	---	---
Machine Age	hrs	Client Info		6775	---	---
Oil Age	hrs	Client Info		1675	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	58	---	---
Chromium	ppm	ASTM D5185m	>5	<1	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>7	0	---	---
Aluminum	ppm	ASTM D5185m	>25	3	---	---
Lead	ppm	ASTM D5185m	>45	2	---	---
Copper	ppm	ASTM D5185m	>225	2	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

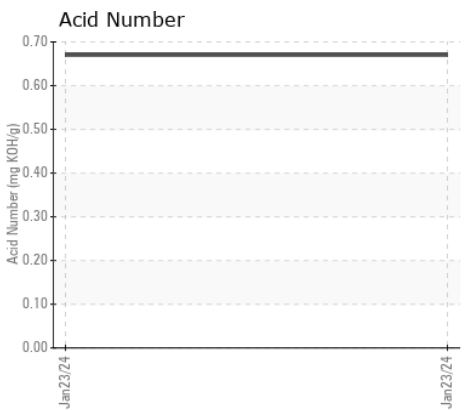
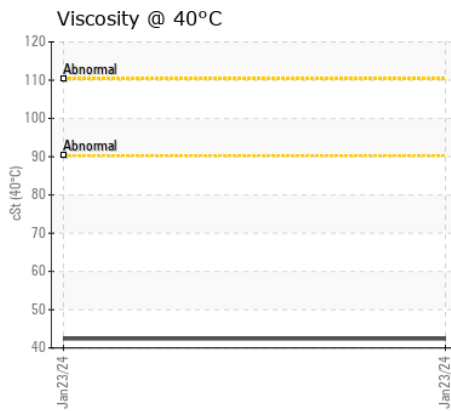
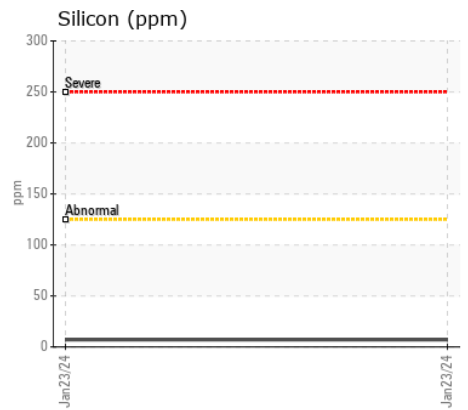
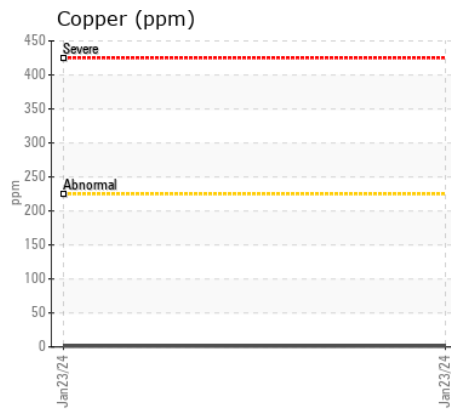
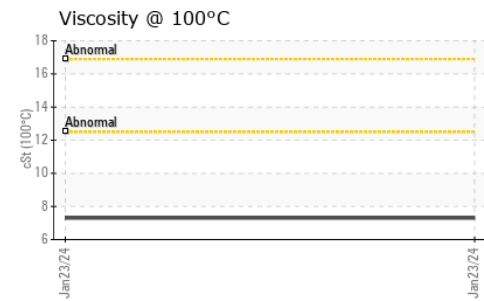
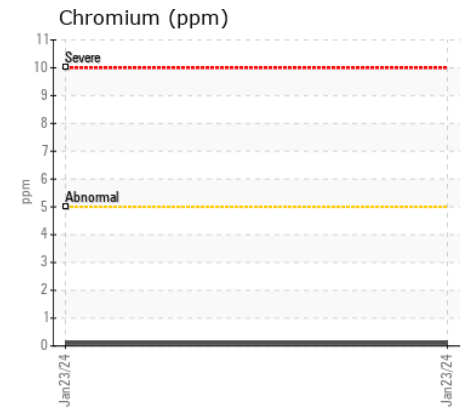
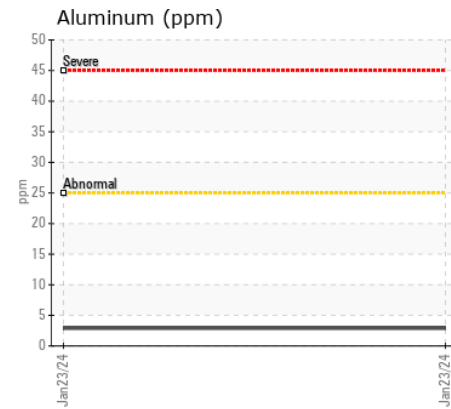
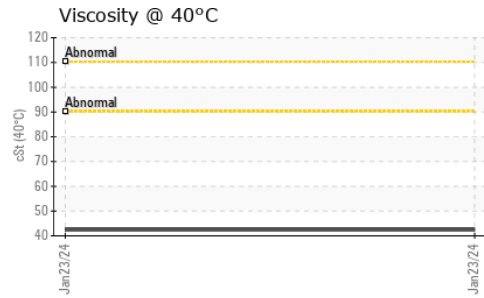
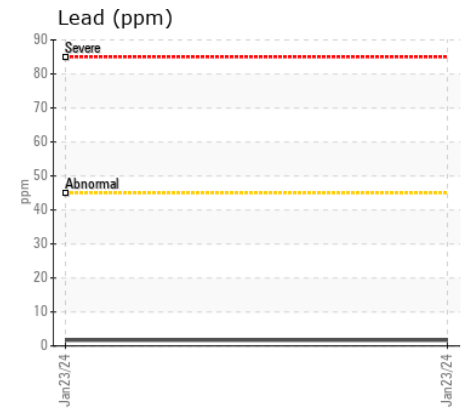
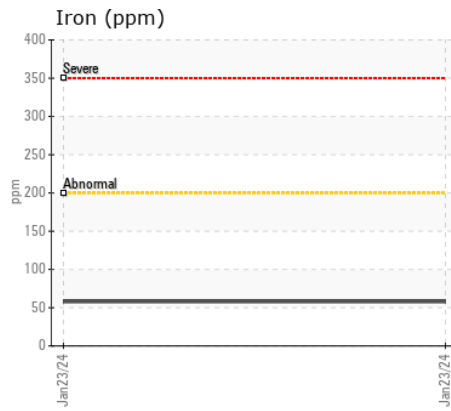
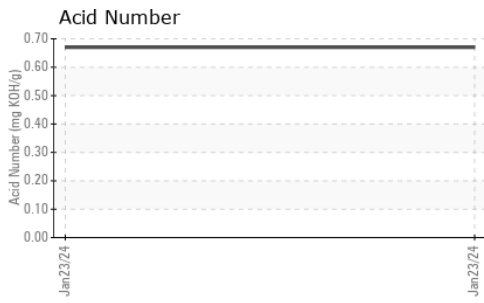
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	7	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
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 fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		5	---	---
Boron	ppm	ASTM D5185m		94	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		12	---	---
Calcium	ppm	ASTM D5185m		3045	---	---
Phosphorus	ppm	ASTM D5185m		1074	---	---
Zinc	ppm	ASTM D5185m		1274	---	---
Sulfur	ppm	ASTM D5185m		3082	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.67	---	---
Visc @ 40°C	cSt	ASTM D445		42.4	---	---
Visc @ 100°C	cSt	ASTM D445		7.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270		136	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06083115 **Received** : 07 Feb 2024
Lab Number : 06083115 **Tested** : 09 Feb 2024
Unique Number : 10870560 **Diagnosed** : 09 Feb 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KV100, VI)

DEWALD FARMS JV
 1058 E URQUHART RD
 RITZVILLE, WA
 US 99169
 Contact: JERRY HUSTON

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: