



# OIL ANALYSIS REPORT

WEAR	<b>SEVERE</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**EGAN STATION 3**  
 Component  
**Gearbox**  
 Fluid  
**TEXACO THUBAN SAE 140 (3 GAL)**

## RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

## WEAR

Bearing and/or bushing wear is indicated.

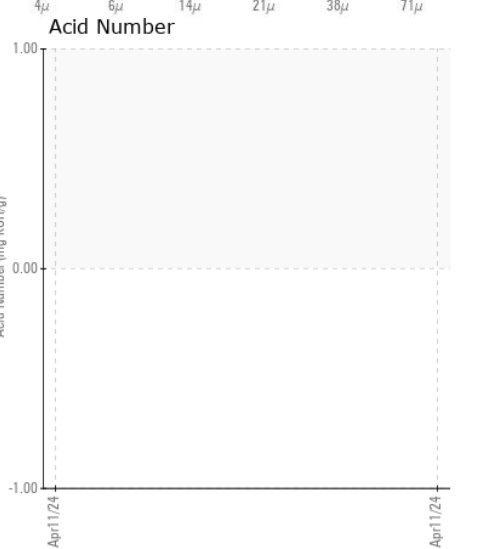
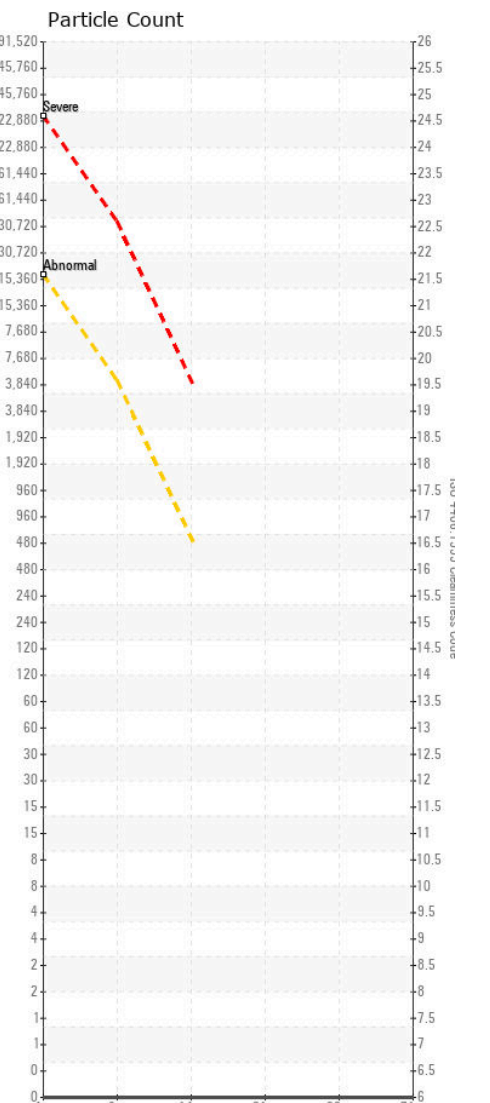
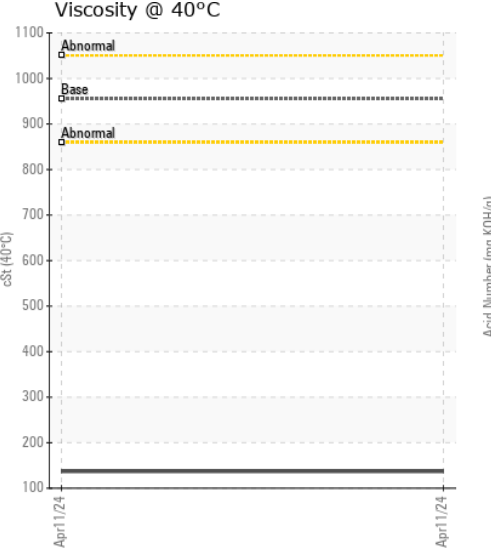
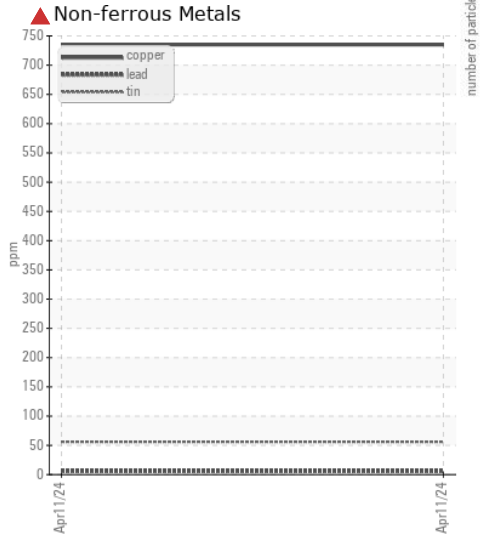
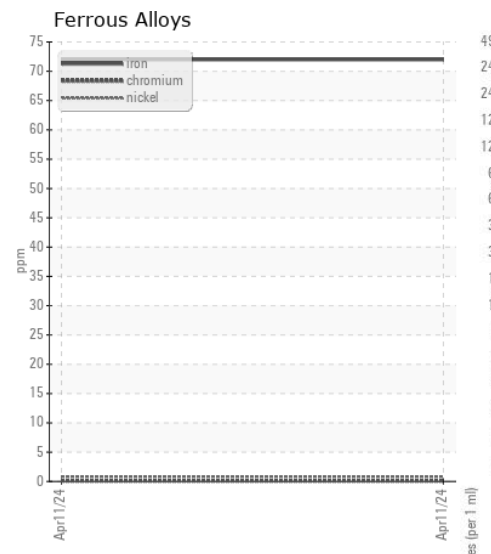
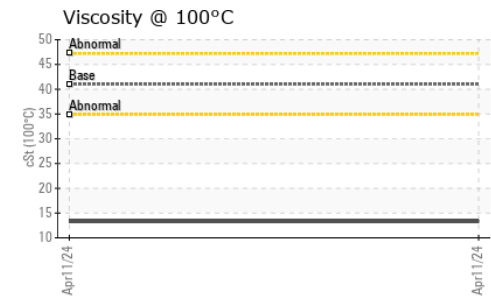
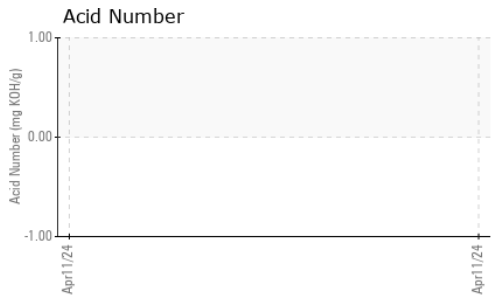
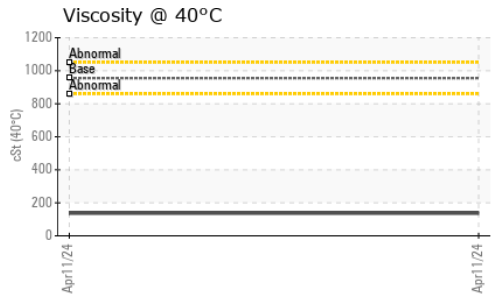
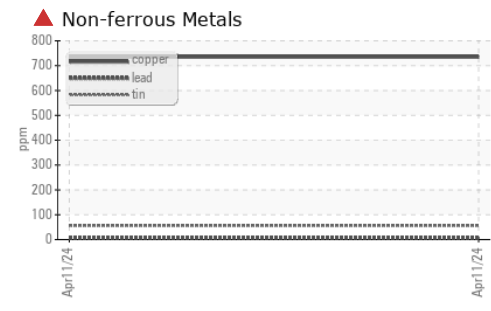
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO60002525</b>	---	---
Sample Date		Client Info		<b>11 Apr 2024</b>	---	---
Machine Age	yrs	Client Info		<b>58</b>	---	---
Oil Age	yrs	Client Info		<b>0</b>	---	---
Filter Age	yrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>SEVERE</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>72</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>50	<b>6</b>	---	---
Copper	ppm	ASTM D5185m	>200	<b>▲ 735</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>▲ 56</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>50	<b>1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185m		<b>5</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---	---
Calcium	ppm	ASTM D5185m		<b>10</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>175</b>	---	---
Zinc	ppm	ASTM D5185m		<b>47</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>8757</b>	---	---
Visc @ 40°C	cSt	ASTM D445	955	<b>137</b>	---	---
Visc @ 100°C	cSt	ASTM D445	41	<b>13.3</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	74	<b>90</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002525 **Received** : 16 Apr 2024  
**Lab Number** : 06150315 **Tested** : 18 Apr 2024  
**Unique Number** : 10980393 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, PrtCount, VI )

**3M BROWNWOOD**  
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 Contact: RICKY GOTCHER  
 rgotcherjr@mmm.com

Certificate L2367  
 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)