



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**{UNASSIGNED}**  
Machine Id  
**New ATF Compressor Room**  
Component  
**New (Unused) Oil**  
Fluid  
**PENNZOIL DEXRON MERCON ATF FLUID (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PE0000259</b>	PE0000253	---
Sample Date		Client Info		<b>27 Mar 2023</b>	15 Mar 2023	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	1	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ATTENTION</b>	ABNORMAL	---

**WEAR**

PQ		ASTM D8184		<b>7</b>	12	---
Iron	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

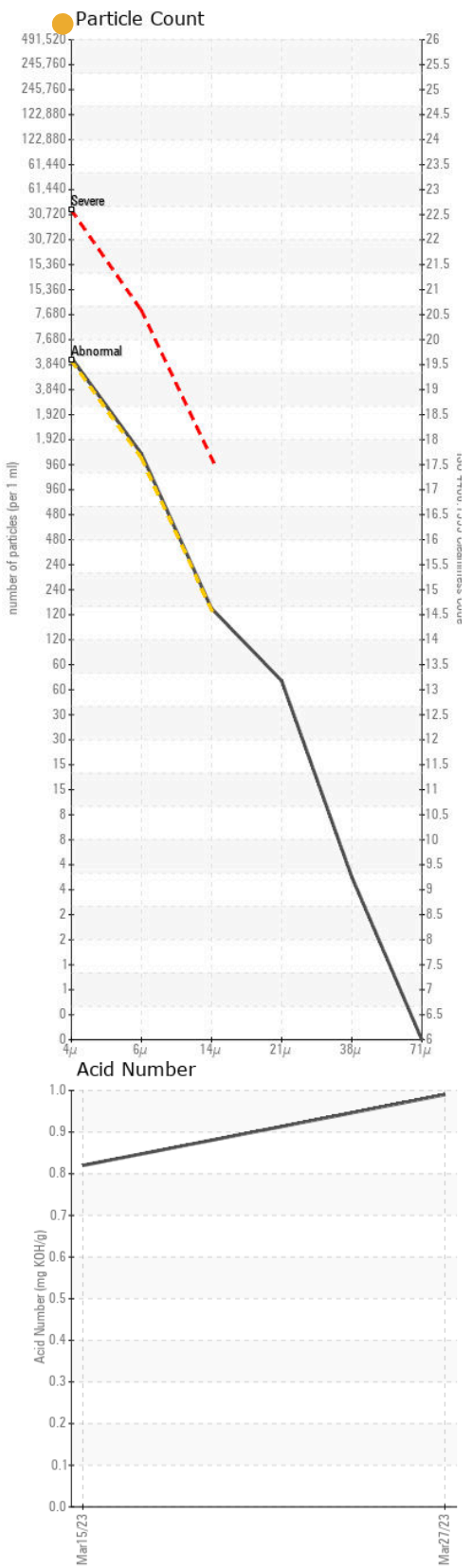
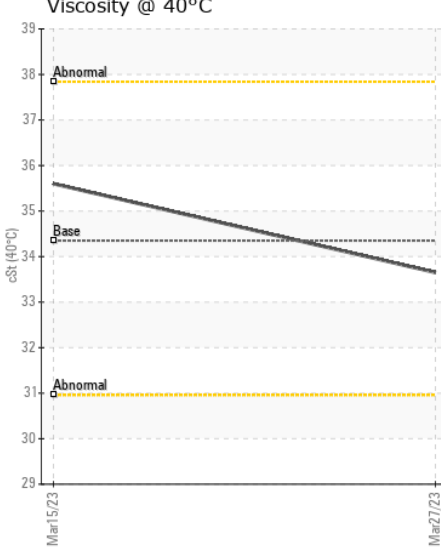
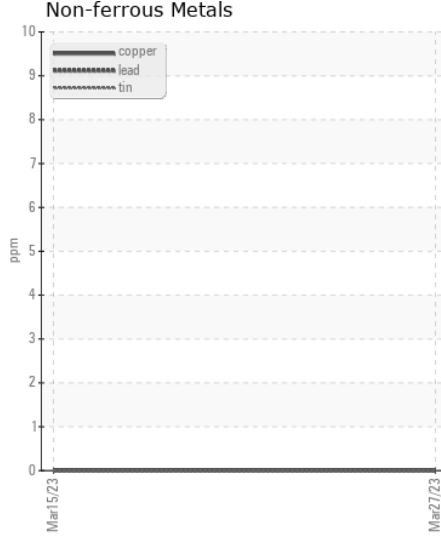
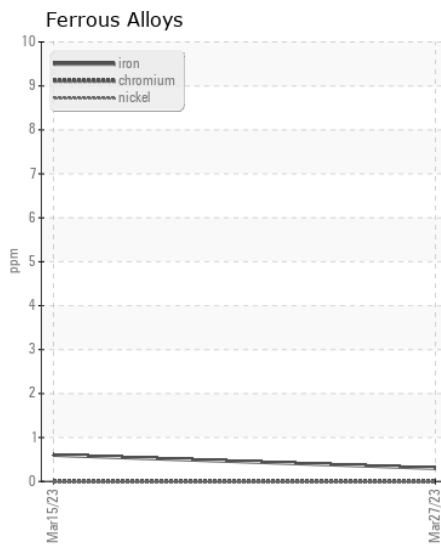
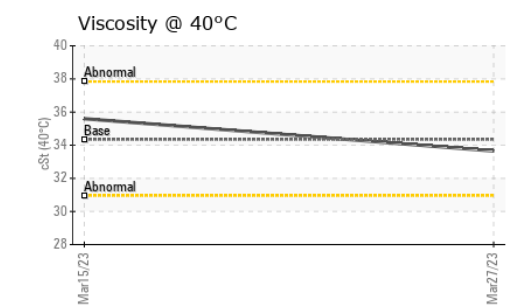
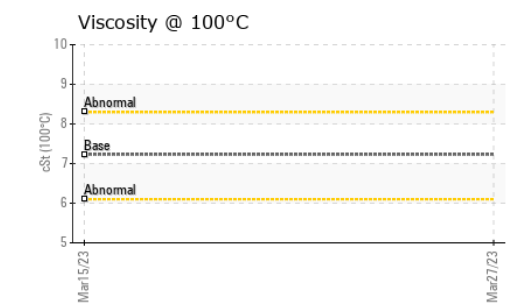
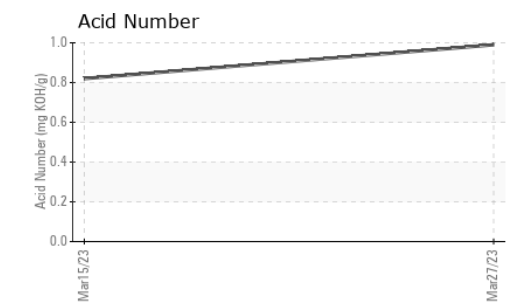
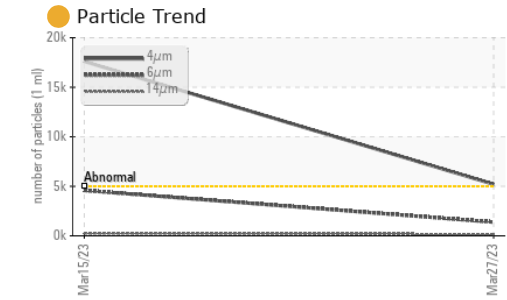
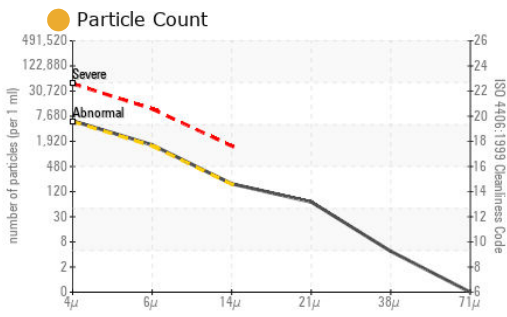
**CONTAMINATION**

There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>15	<b>4</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	---
Water	%	ASTM D6304		<b>NEG</b>	0.146	---
ppm Water	ppm	ASTM D6304		<b>---</b>	1460	---
Particles >4µm		ASTM D7647	>5000	<b>5204</b>	17605	---
Particles >6µm		ASTM D7647	>1300	<b>1382</b>	4581	---
Particles >14µm		ASTM D7647	>160	<b>163</b>	232	---
Particles >21µm		ASTM D7647	>40	<b>60</b>	46	---
Particles >38µm		ASTM D7647	>10	<b>4</b>	0	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/18/15</b>	21/19/15	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual		<b>NEG</b>	0.2%	---

**FLUID CONDITION**

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Boron	ppm	ASTM D5185m		<b>111</b>	97	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	---
Calcium	ppm	ASTM D5185m		<b>136</b>	136	---
Phosphorus	ppm	ASTM D5185m		<b>218</b>	197	---
Zinc	ppm	ASTM D5185m		<b>3</b>	6	---
Sulfur	ppm	ASTM D5185m		<b>893</b>	937	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.99</b>	0.82	---
Visc @ 40°C	cSt	ASTM D445	34.35	<b>33.65</b>	35.6	---
Visc @ 100°C	cSt	ASTM D445	7.23	<b>7.41</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270	182	<b>195</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PE0000259 **Received** : 30 Mar 2023  
**Lab Number** : 05807224 **Tested** : 04 Apr 2023  
**Unique Number** : 10404753 **Diagnosed** : 04 Apr 2023 - Doug Bogart  
**Test Package** : PLANT ( Additional Tests: FT-IR, ICP, ICP-NewOil, KF, KV100, KV40, PQ, PrtCount, **Severe (C)** )  
 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)

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