



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
New ATF Lube 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		PE0000260	---	---
Sample Date		Client Info		27 Mar 2023	---	---
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				NORMAL	---	---

WEAR

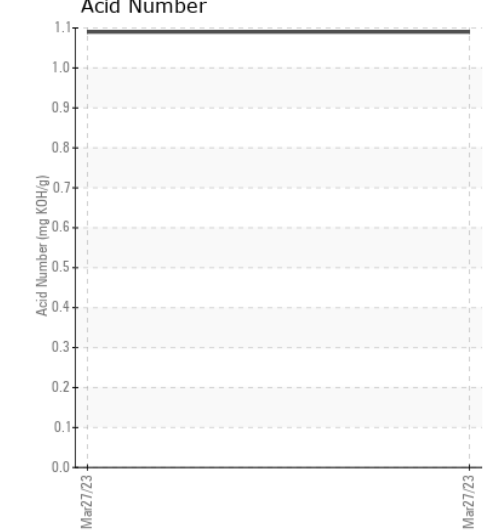
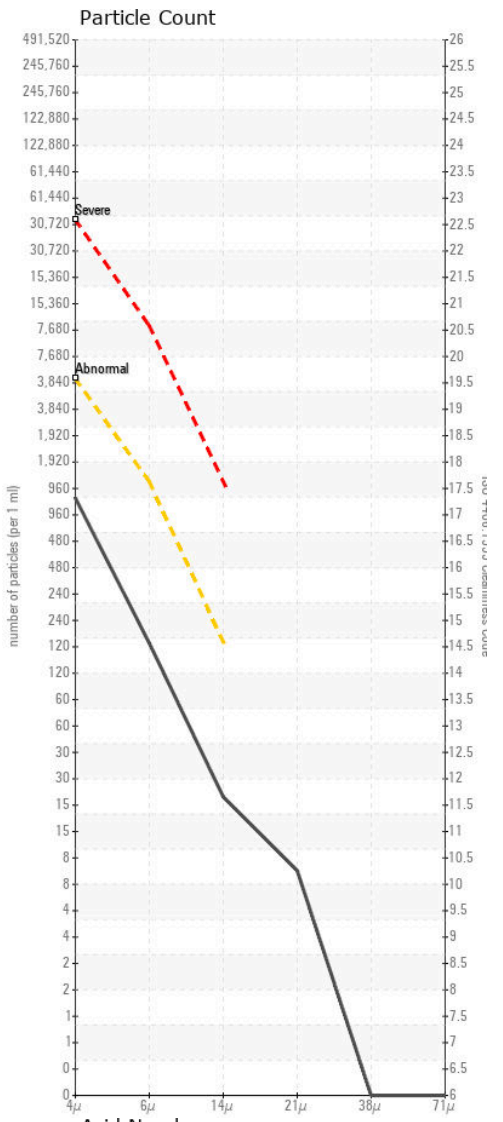
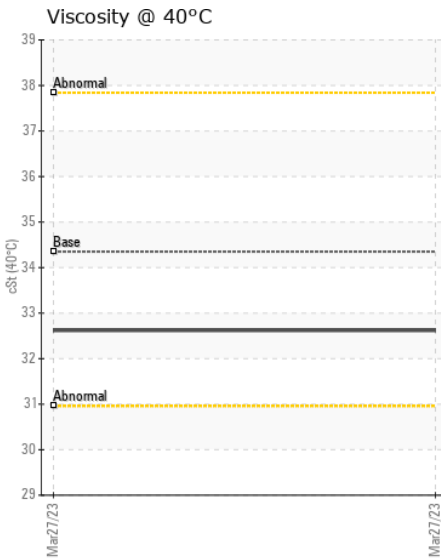
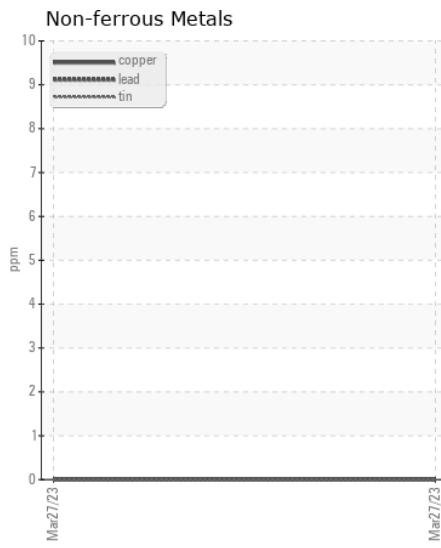
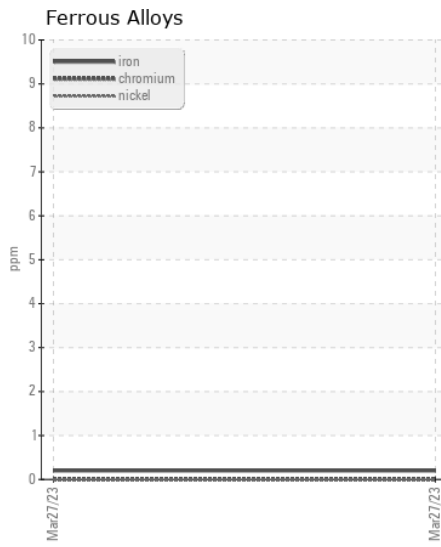
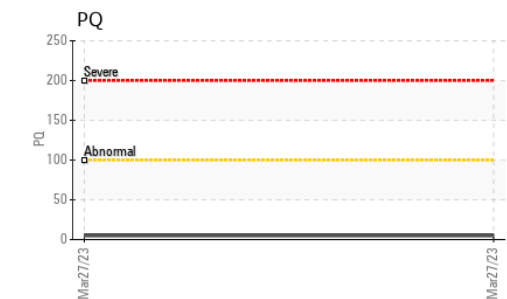
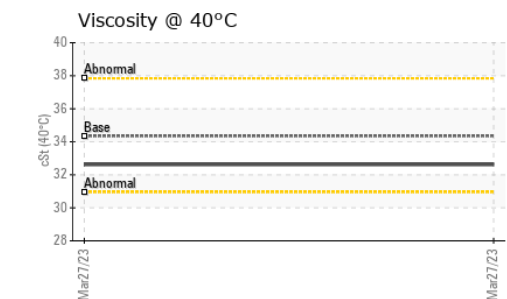
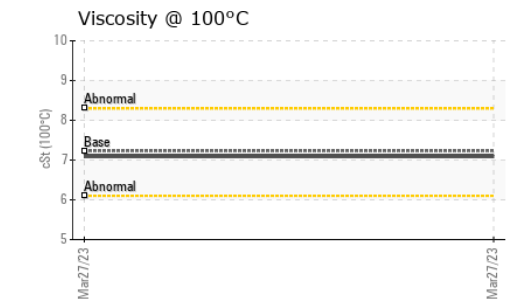
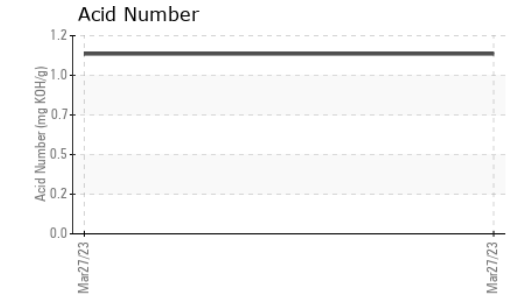
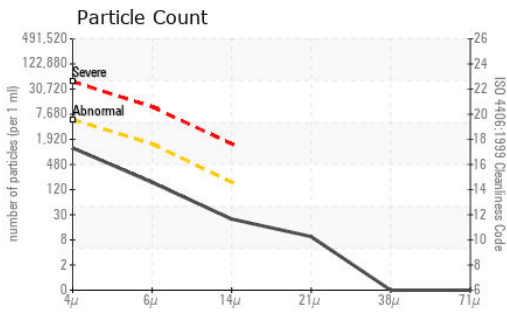
PQ		ASTM D8184		5	---	---
Iron	ppm	ASTM D5185m	>5	<1	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---
Aluminum	ppm	ASTM D5185m	>5	<1	---	---
Lead	ppm	ASTM D5185m	>5	0	---	---
Copper	ppm	ASTM D5185m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

CONTAMINATION

Silicon	ppm	ASTM D5185m	>15	3	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water	%	ASTM D6304		NEG	---	---
Particles >4µm		ASTM D7647	>5000	1049	---	---
Particles >6µm		ASTM D7647	>1300	157	---	---
Particles >14µm		ASTM D7647	>160	21	---	---
Particles >21µm		ASTM D7647	>40	8	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/14/12	---	---
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		NEG	---	---

FLUID CONDITION

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		111	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		3	---	---
Calcium	ppm	ASTM D5185m		127	---	---
Phosphorus	ppm	ASTM D5185m		227	---	---
Zinc	ppm	ASTM D5185m		11	---	---
Sulfur	ppm	ASTM D5185m		987	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.09	---	---
Visc @ 40°C	cSt	ASTM D445	34.35	32.62	---	---
Visc @ 100°C	cSt	ASTM D445	7.23	7.09	---	---
Viscosity Index (VI)	Scale	ASTM D2270	182	188	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0000260 **Received** : 30 Mar 2023
Lab Number : 05807223 **Tested** : 04 Apr 2023
Unique Number : 10404752 **Diagnosed** : 04 Apr 2023 - Doug Bogart
Test Package : PLANT (Additional Tests: FT-IR, ICP, ICP-NewOil, KF, KV100, KV40, PQ, PrtCount, **Severe**)

MCKINLEY PAPER COMPANY
 1902 MARINE DR
 PORT ANGELES, WA
 US 98363
 CHAD GALLAUHER
 chad.gallauher@biopappel.com

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)

T: (360)457-4474

F: