



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
SHELL TXM-M 10W30
 Component
Bulk Tank New (Unused) Oil
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

This is a baseline read-out on the submitted sample. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002639	---	---
Sample Date		Client Info		17 Apr 2024	---	---
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				ATTENTION	---	---

WEAR

Iron	ppm	ASTM D5185m		0	---	---
Chromium	ppm	ASTM D5185m		0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		0	---	---
Lead	ppm	ASTM D5185m		0	---	---
Copper	ppm	ASTM D5185m		0	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

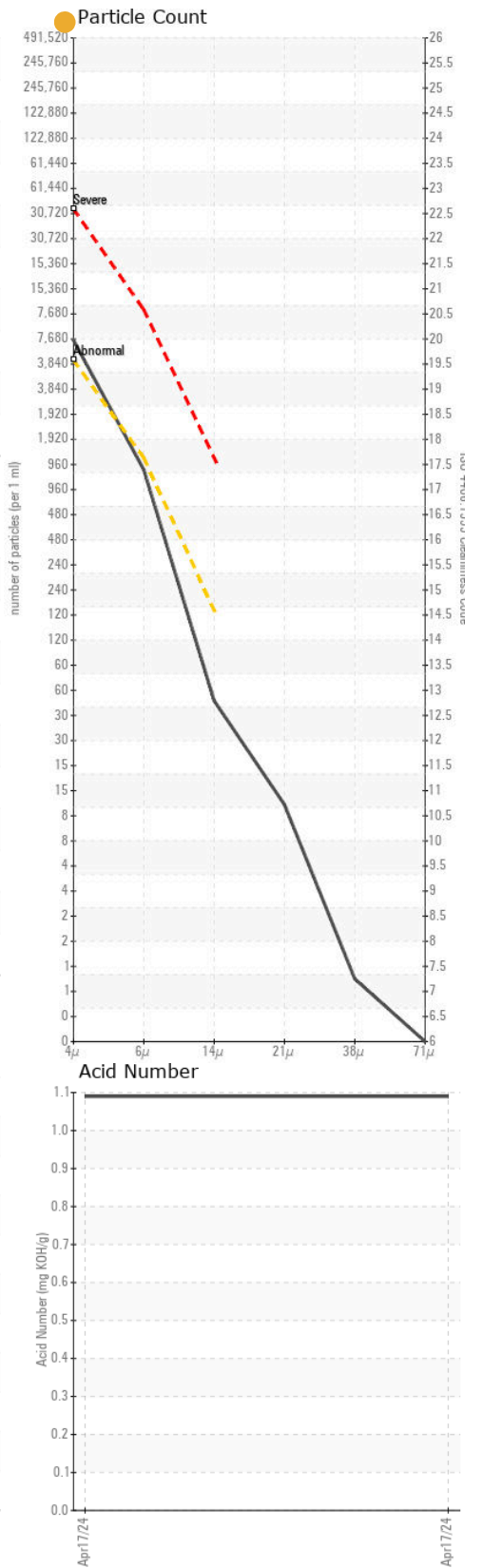
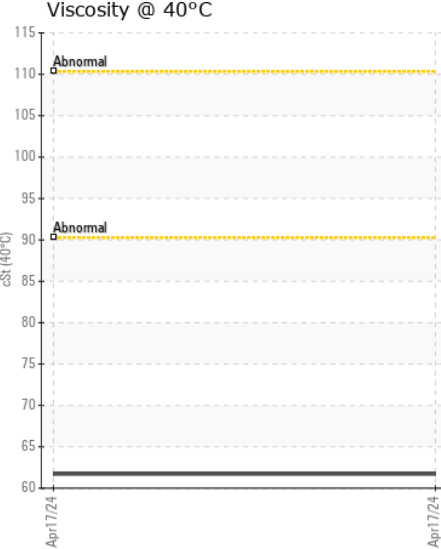
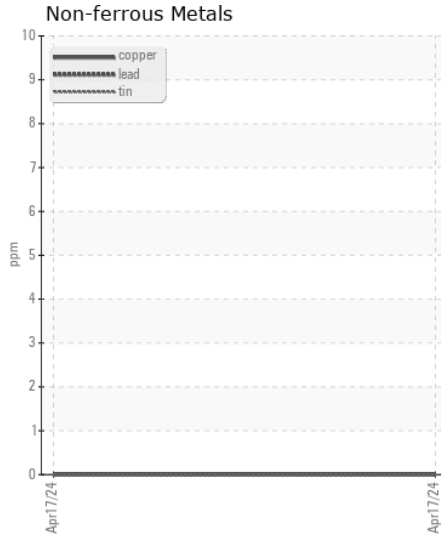
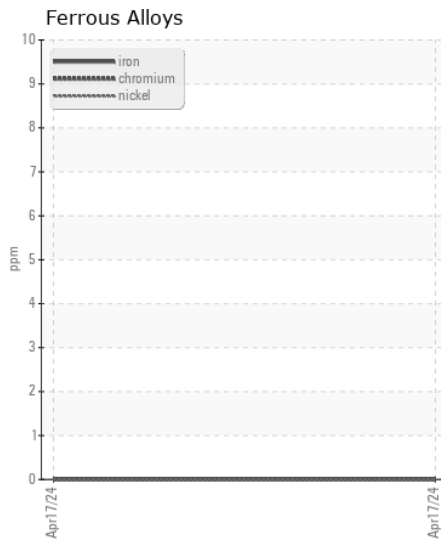
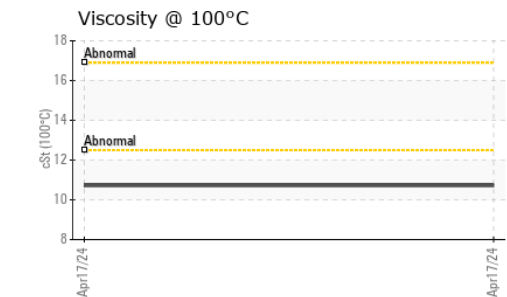
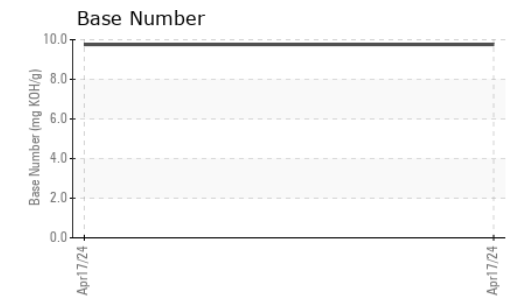
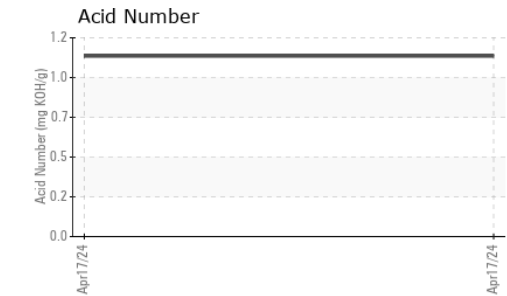
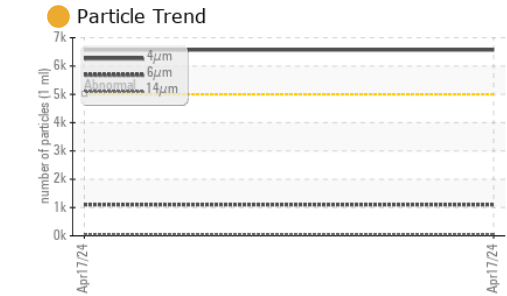
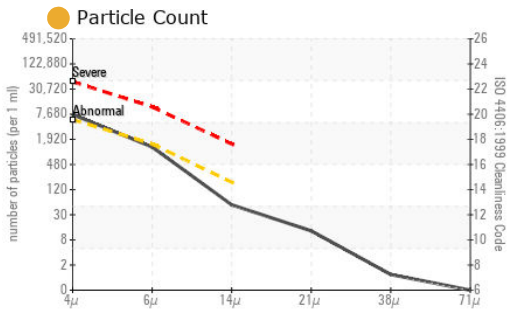
CONTAMINATION

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m		14	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method		NEG	---	---
Particles >4µm		ASTM D7647	>5000	6569	---	---
Particles >6µm		ASTM D7647	>1300	1103	---	---
Particles >14µm		ASTM D7647	>160	46	---	---
Particles >21µm		ASTM D7647	>40	11	---	---
Particles >38µm		ASTM D7647	>10	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/17/13	---	---
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		99	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		0	---	---
Magnesium	ppm	ASTM D5185m		62	---	---
Calcium	ppm	ASTM D5185m		3644	---	---
Phosphorus	ppm	ASTM D5185m		1168	---	---
Zinc	ppm	ASTM D5185m		1522	---	---
Sulfur	ppm	ASTM D5185m		3820	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.09	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		9.76	---	---
Visc @ 40°C	cSt	ASTM D445		61.72	---	---
Visc @ 100°C	cSt	ASTM D445		10.72	---	---
Viscosity Index (VI)	Scale	ASTM D2270		165	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002639 **Received** : 23 Apr 2024
Lab Number : 06158206 **Tested** : 07 May 2024
Unique Number : 10993629 **Diagnosed** : 07 May 2024 - Doug Bogart
Test Package : PLANT (Additional Tests: FT-IR, ICP, KV100, KV40, PrtCount, SCREEN, TBN, Viscosity)
 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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