



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 9 - Marietta [144258]
Machine Id
PRIME TECH PT-300 PT-300-00806
Component
Right Final Drive
Fluid
GEAR OIL SAE 75W90 (2 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045973	LEC0044395	---
Sample Date		Client Info		08 Jan 2024	18 Aug 2023	---
Machine Age	hrs	Client Info		852	538	---
Oil Age	hrs	Client Info		314	538	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	None	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		210	229	---
Iron	ppm	ASTM D5185m	>500	853	881	---
Chromium	ppm	ASTM D5185m	>10	14	15	---
Nickel	ppm	ASTM D5185m	>10	3	2	---
Titanium	ppm	ASTM D5185m		<1	1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	7	7	---
Lead	ppm	ASTM D5185m	>25	<1	<1	---
Copper	ppm	ASTM D5185m	>50	13	14	---
Tin	ppm	ASTM D5185m	>10	1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

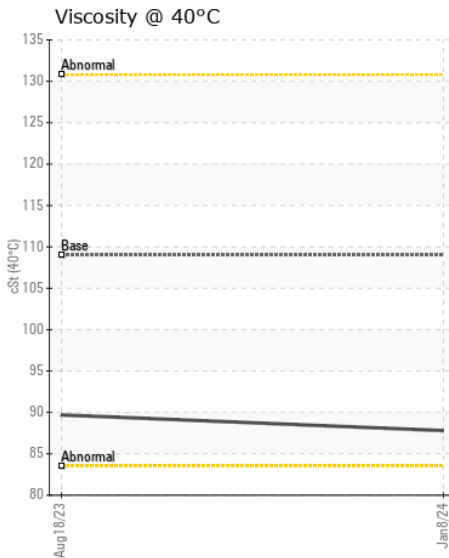
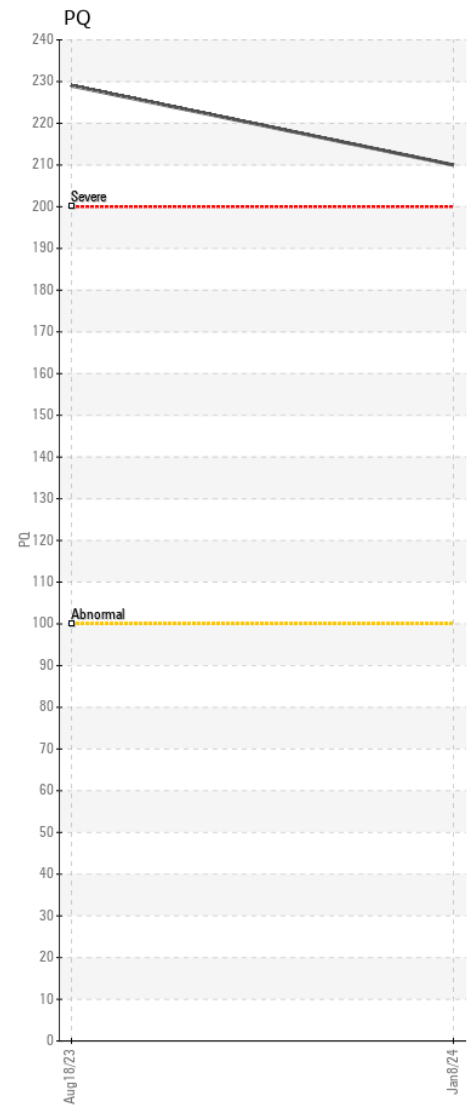
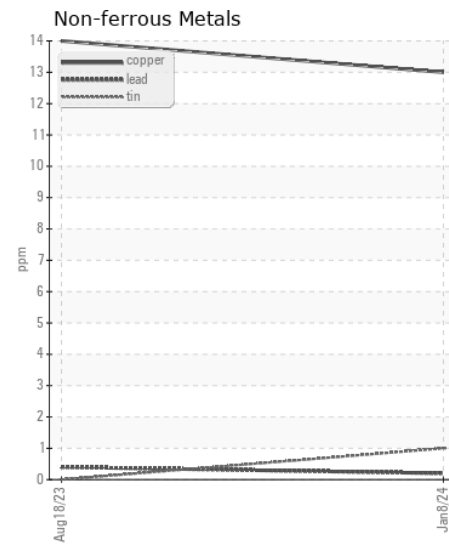
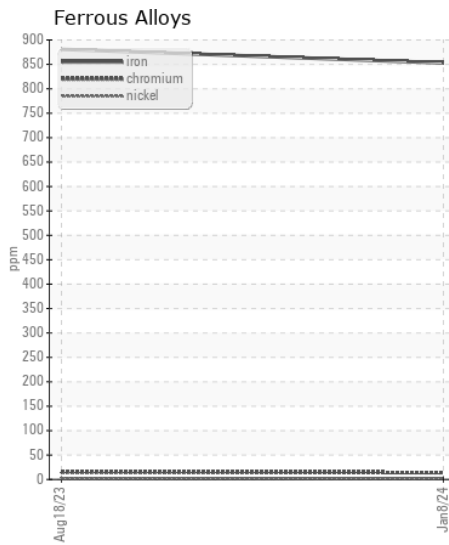
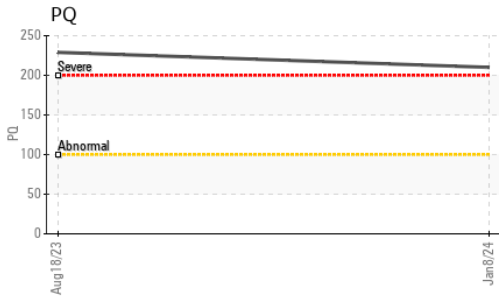
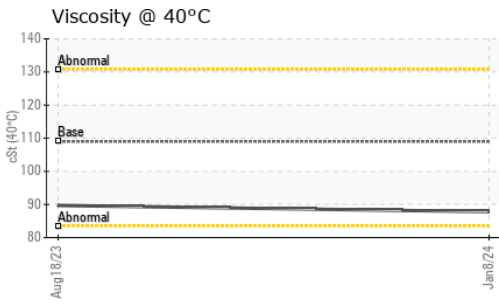
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	48	60	---
Potassium	ppm	ASTM D5185m	>20	3	8	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		36	49	---
Boron	ppm	ASTM D5185m	400	339	472	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	0	<1	---
Manganese	ppm	ASTM D5185m		12	13	---
Magnesium	ppm	ASTM D5185m	12	753	805	---
Calcium	ppm	ASTM D5185m	150	83	80	---
Phosphorus	ppm	ASTM D5185m	1650	1305	1418	---
Zinc	ppm	ASTM D5185m	125	49	48	---
Sulfur	ppm	ASTM D5185m	22500	21300	24577	---
Visc @ 40°C	cSt	ASTM D445	109	87.8	89.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045973 **Received** : 11 Jan 2024
Lab Number : 06058364 **Diagnosed** : 14 Jan 2024
Unique Number : 10829746 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)