



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
{UNASSIGNED}
Machine Id
Dt43
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (16 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Dt43)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116134	---	---
Sample Date		Client Info		12 Jan 2024	---	---
Machine Age	mls	Client Info		30227	---	---
Oil Age	mls	Client Info		75000	---	---
Filter Age	mls	Client Info		75000	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	289	---	---
Chromium	ppm	ASTM D5185m	>8	3	---	---
Nickel	ppm	ASTM D5185m	>20	6	---	---
Titanium	ppm	ASTM D5185m	>4	<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	2	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>50	1	---	---
Tin	ppm	ASTM D5185m	>5	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

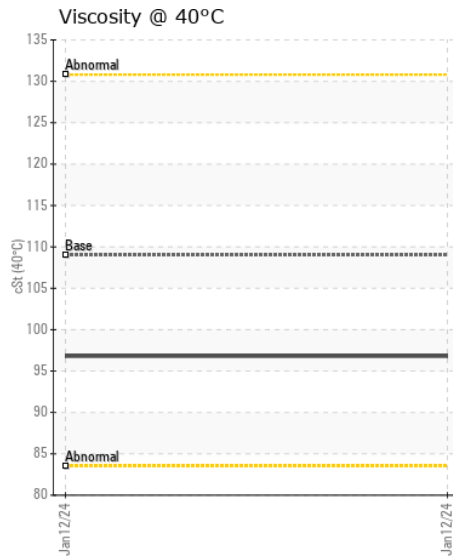
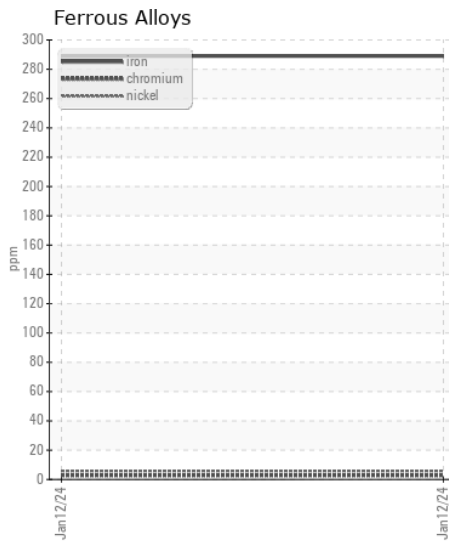
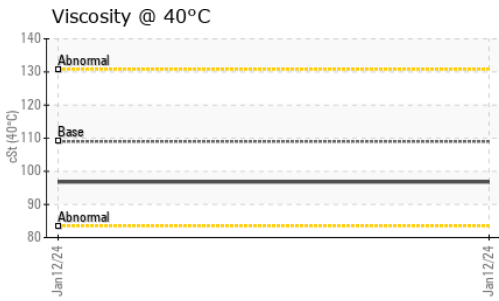
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>230	149	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>.2	NEG	---	---
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	>.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	---	---
Boron	ppm	ASTM D5185m	400	161	---	---
Barium	ppm	ASTM D5185m	200	<1	---	---
Molybdenum	ppm	ASTM D5185m	12	0	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m	12	3	---	---
Calcium	ppm	ASTM D5185m	150	69	---	---
Phosphorus	ppm	ASTM D5185m	1650	1140	---	---
Zinc	ppm	ASTM D5185m	125	16	---	---
Sulfur	ppm	ASTM D5185m	22500	24417	---	---
Visc @ 40°C	cSt	ASTM D445	109	96.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116134 **Recieved** : 18 Jan 2024
Lab Number : 06065215 **Diagnosed** : 22 Jan 2024
Unique Number : 10836597 **Diagnostician** : Sean Felton
Test Package : FLEET

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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T:
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