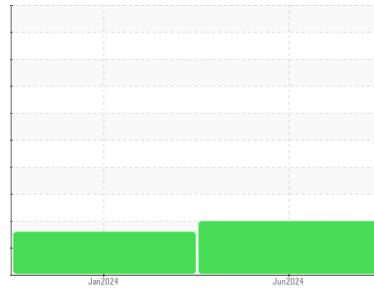


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
DT862
 Component
Front Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- Contamination**
 Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. Moderate concentration of visible dirt/debris present in the oil.
- Fluid Condition**
 The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0124371	PCA0111654	---
Sample Date	Client Info		13 Jun 2024	03 Jan 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	192	147	---
Chromium	ppm	ASTM D5185m >10	2	1	---
Nickel	ppm	ASTM D5185m >10	9	6	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	3	2	---
Lead	ppm	ASTM D5185m >25	0	<1	---
Copper	ppm	ASTM D5185m >100	1	1	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	158	165	---
Barium	ppm	ASTM D5185m 200	0	1	---
Molybdenum	ppm	ASTM D5185m 12	<1	0	---
Manganese	ppm	ASTM D5185m	2	3	---
Magnesium	ppm	ASTM D5185m 12	0	<1	---
Calcium	ppm	ASTM D5185m 150	0	21	---
Phosphorus	ppm	ASTM D5185m 1650	1035	1152	---
Zinc	ppm	ASTM D5185m 125	5	0	---
Sulfur	ppm	ASTM D5185m 22500	22107	25104	---

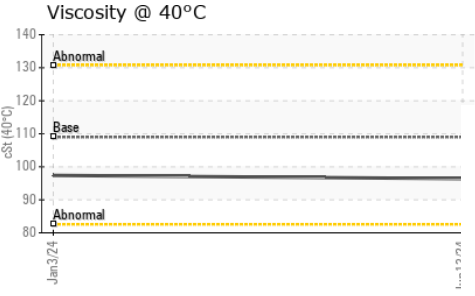
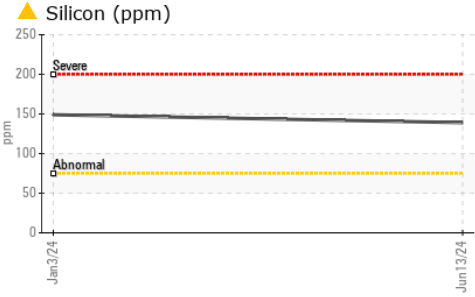
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	▲ 139	▲ 149	---
Sodium	ppm	ASTM D5185m	1	3	---
Potassium	ppm	ASTM D5185m >20	2	4	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	▲ MODER	LIGHT	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

OIL ANALYSIS REPORT



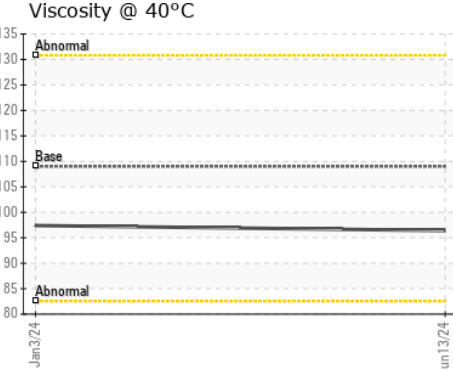
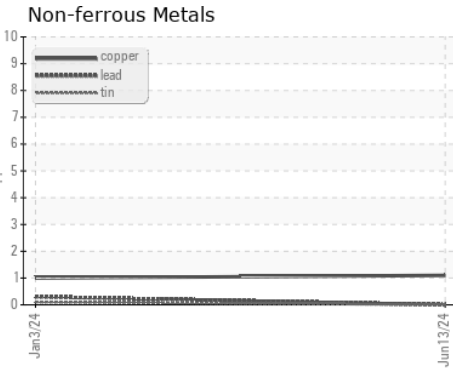
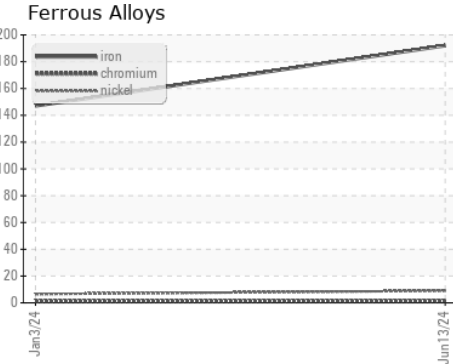
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	109	96.4	97.4	---

SAMPLE IMAGES

method	limit/base	current	history1	history2	
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0124371
Lab Number : **06226591**
Unique Number : 11110084
Test Package : FLEET
Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 05 Jul 2024 - Don Baldrige

NW WHITE & CO - BEAUFORT DIVISION
 1491 YENMASSEE HIGHWAY
 VARNVILLE, SC
 US 29944
 Contact: VINCENT BULLOCK
 bullockvince514@gmail.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)