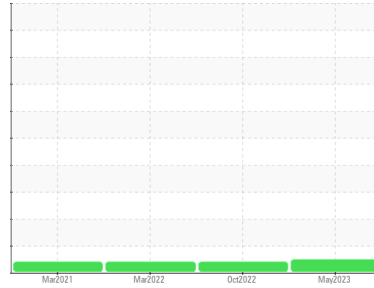




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
TT-102
 Component
Front Differential
 Fluid
MOBIL 75W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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		WC0705194	WC0588344	WC0588328
Sample Date	Client Info		22 May 2023	17 Oct 2022	17 Mar 2022
Machine Age	mls	Client Info	69914	59646	50376
Oil Age	mls	Client Info	69914	59646	50376
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	127	115	92
Chromium	ppm	ASTM D5185m >10	<1	<1	<1
Nickel	ppm	ASTM D5185m >10	2	1	2
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	2	1	<1
Lead	ppm	ASTM D5185m >25	0	1	<1
Copper	ppm	ASTM D5185m >100	19	19	17
Tin	ppm	ASTM D5185m >10	11	12	11
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	261	250	231
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	7	6	6
Magnesium	ppm	ASTM D5185m	<1	<1	0
Calcium	ppm	ASTM D5185m	53	8	13
Phosphorus	ppm	ASTM D5185m	1477	1436	1376
Zinc	ppm	ASTM D5185m	33	11	11
Sulfur	ppm	ASTM D5185m	30670	31289	21021

CONTAMINANTS

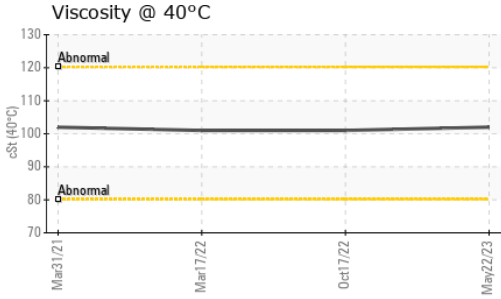
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	41	40	27
Sodium	ppm	ASTM D5185m	6	6	6
Potassium	ppm	ASTM D5185m >20	2	2	<1

VISUAL

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



OIL ANALYSIS REPORT

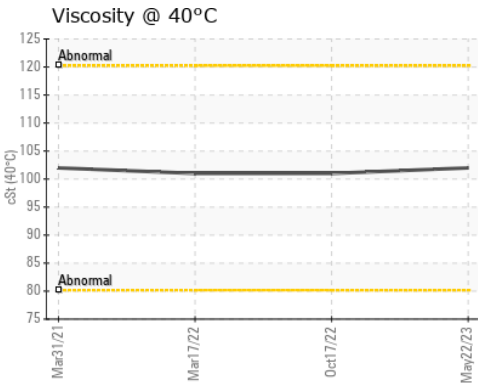
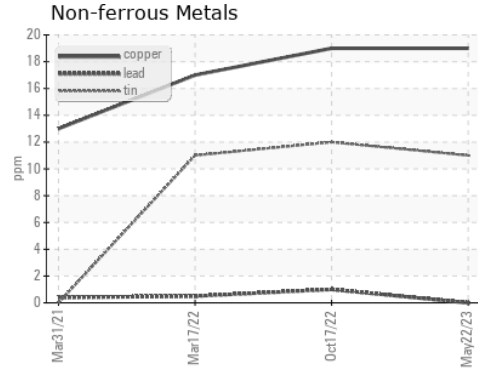
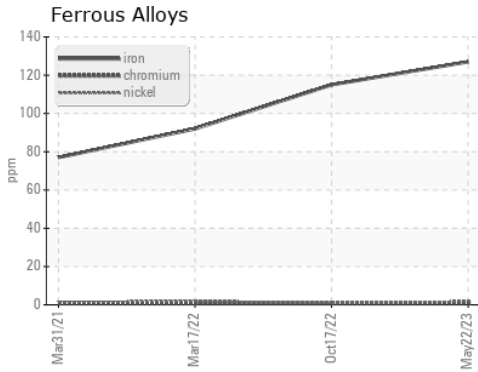


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	102	101	101

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0705194 **Received** : 18 Jul 2023
Lab Number : 05901622 **Diagnosed** : 20 Jul 2023
Unique Number : 10562978 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: PrtCount)

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)

E.C. PACE CO.
 1811 HOLLINS RD.
 ROANOKE, VA
 US 24012
 Contact: EDDIE SECO
 ESECO@ECPACE.COM
 T: (276)266-5849
 F: (540)343-6909