



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
TIGERCAT 620E 2017 (S/N 6206992)
Component
Front Differential
Fluid
BAY 75W90 SYNTHETIC (15 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0669494	WC0669481	WC0460269
Sample Date		Client Info		19 Mar 2024	17 Mar 2023	18 Mar 2022
Machine Age	hrs	Client Info		10500	9435	3204
Oil Age	hrs	Client Info		1065	1177	1666
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	MARGINAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	55	186	101
Chromium	ppm	ASTM D5185m	>10	<1	2	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		1	1	1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>25	1	5	1
Lead	ppm	ASTM D5185m	>25	21	▲ 49	▲ 85
Copper	ppm	ASTM D5185m	>100	12	17	29
Tin	ppm	ASTM D5185m	>10	1	2	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

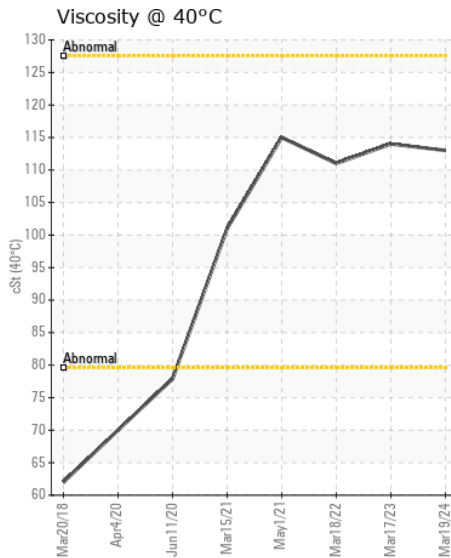
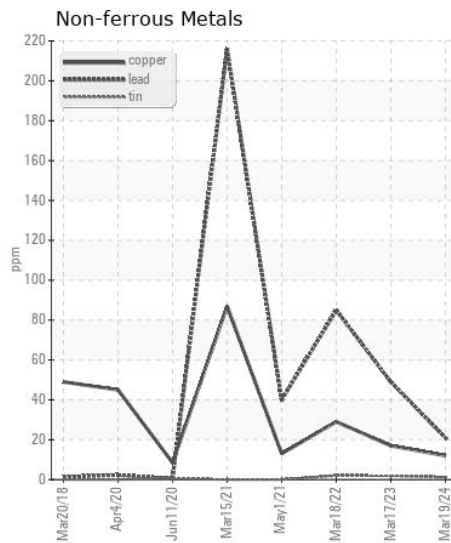
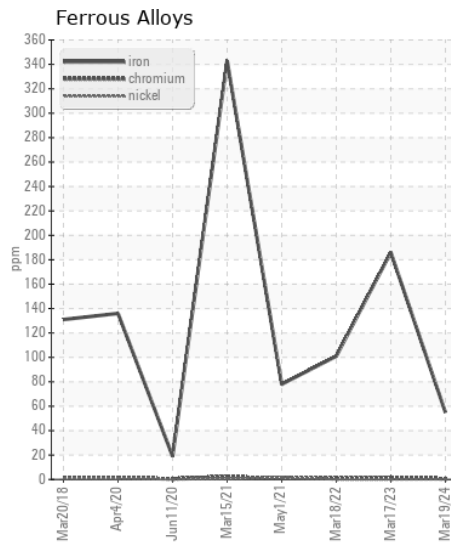
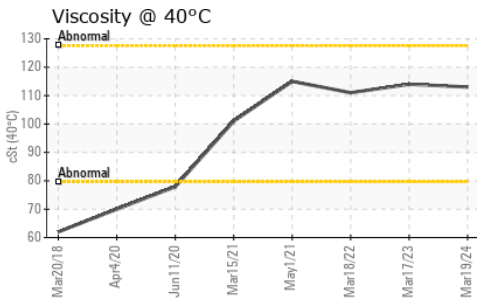
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	21	8
Potassium	ppm	ASTM D5185m	>20	2	3	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	NONE
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	7	9
Boron	ppm	ASTM D5185m		206	180	206
Barium	ppm	ASTM D5185m		7	<1	0
Molybdenum	ppm	ASTM D5185m		1	11	1
Manganese	ppm	ASTM D5185m		<1	4	2
Magnesium	ppm	ASTM D5185m		3	10	3
Calcium	ppm	ASTM D5185m		46	101	97
Phosphorus	ppm	ASTM D5185m		1224	1208	1396
Zinc	ppm	ASTM D5185m		43	69	59
Sulfur	ppm	ASTM D5185m		22603	25056	21387
Visc @ 40°C	cSt	ASTM D445		113	114	111



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0669494
Lab Number : 06153854
Unique Number : 10989277
Test Package : FLEET
Received : 18 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 23 Apr 2024 - Wes Davis

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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)