



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
Guardian
 Machine Id
6732 Thrust Jet
 Component
Starboard Gearbox
 Fluid
TUXTON SAE 30 (1 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

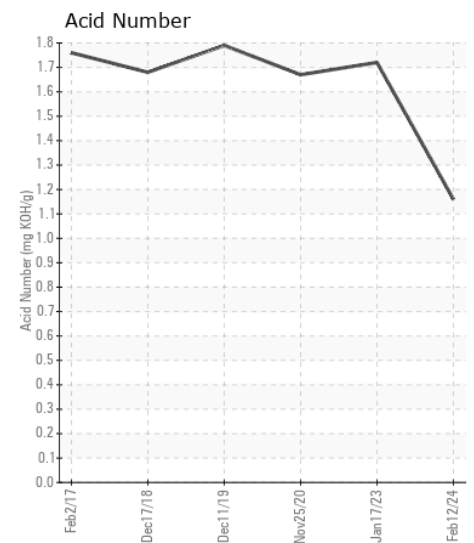
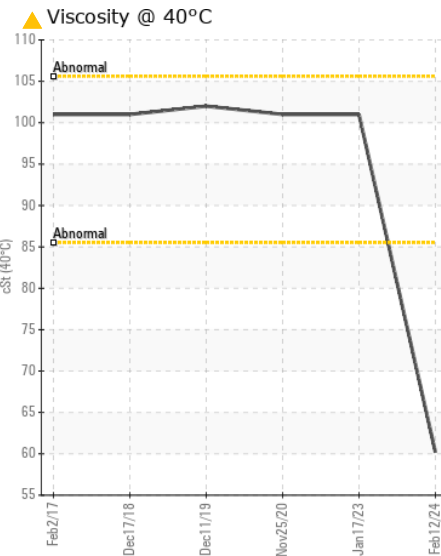
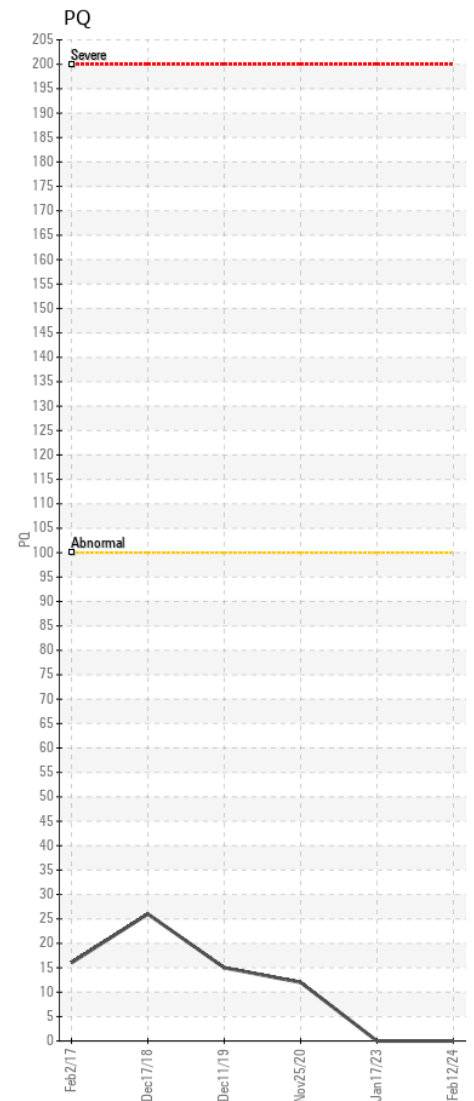
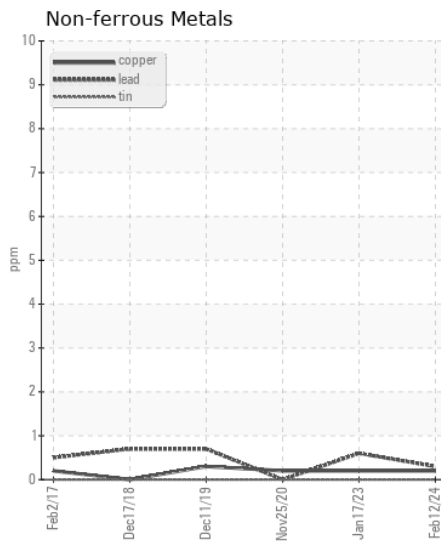
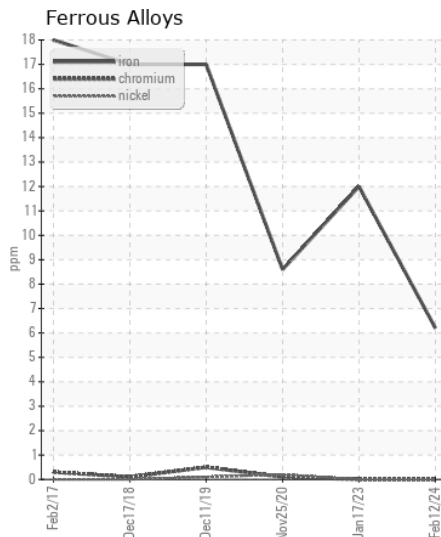
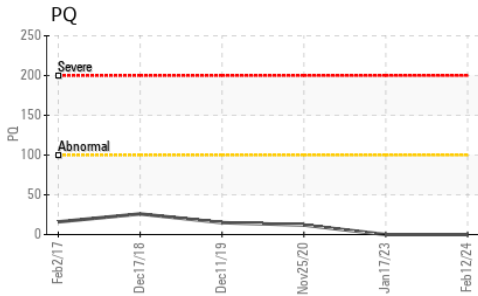
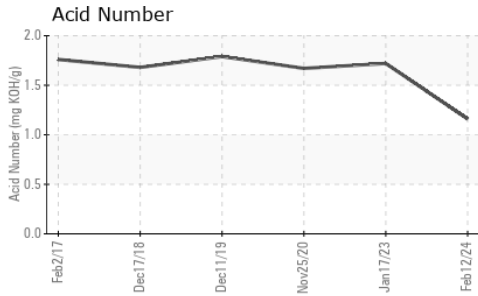
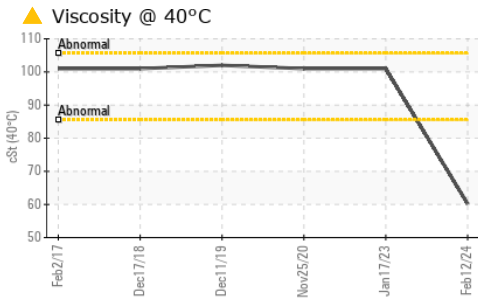
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895383	WC0764526	WC0506674
Sample Date		Client Info		12 Feb 2024	17 Jan 2023	25 Nov 2020
Machine Age	hrs	Client Info		613	542	493
Oil Age	hrs	Client Info		169	49	27
Filter Age	hrs	Client Info		0	49	27
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*		0	0	12
Iron	ppm	ASTM D5185(m)	>200	6	12	9
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	4	7	7
Lead	ppm	ASTM D5185(m)	>50	<1	<1	0
Copper	ppm	ASTM D5185(m)	>200	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	4	8	6
Potassium	ppm	ASTM D5185(m)	>20	1	<1	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	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*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		3	4	3
Boron	ppm	ASTM D5185(m)		4	4	11
Barium	ppm	ASTM D5185(m)		3	10	<1
Molybdenum	ppm	ASTM D5185(m)		0	<1	2
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		4	6	5
Calcium	ppm	ASTM D5185(m)		1799	3177	3192
Phosphorus	ppm	ASTM D5185(m)		725	1044	997
Zinc	ppm	ASTM D5185(m)		779	1071	1123
Sulfur	ppm	ASTM D5185(m)		6792	10587	9045
Acid Number (AN)	mg KOH/g	ASTM D974*		1.16	1.72	1.67
Visc @ 40°C	cSt	ASTM D7279(m)		▲ 60.2	101	101



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0895383 **Received** : 15 Feb 2024
Lab Number : 02616086 **Tested** : 16 Feb 2024
Unique Number : 5733196 **Diagnosed** : 16 Feb 2024 - Kevin Marson
Test Package : MAR 2 (Additional Tests: TAN Man)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.