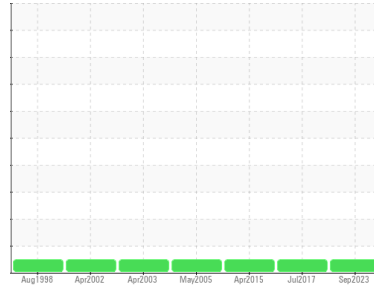




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
Stbd Gearbox

Component
Rear Reduction Gear

Fluid
CAT TDTO TRANS-DRIVE SAE 30 (23 LTR)

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		WC0483854	WC66001270	WC65004204
Sample Date	Client Info		28 Sep 2023	15 Jul 2017	05 Apr 2015
Machine Age	hrs	Client Info	9500	8498	8045
Oil Age	hrs	Client Info	250	498	1000
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	97	69	117
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)		1	<1	1
Lead	ppm	ASTM D5185(m)		3	10	24
Copper	ppm	ASTM D5185(m)		33	85	200
Tin	ppm	ASTM D5185(m)		<1	1	2
Antimony	ppm	ASTM D5185(m)	>5	0	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		2	1	2
Barium	ppm	ASTM D5185(m)		<1	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	1
Magnesium	ppm	ASTM D5185(m)		14	8	8
Calcium	ppm	ASTM D5185(m)	2980	3120	3130	3135
Phosphorus	ppm	ASTM D5185(m)	1100	1083	1070	1082
Zinc	ppm	ASTM D5185(m)	1270	1269	1246	1253
Sulfur	ppm	ASTM D5185(m)		9631	6174	5650
Lithium	ppm	ASTM D5185(m)		2	<1	<1

CONTAMINANTS

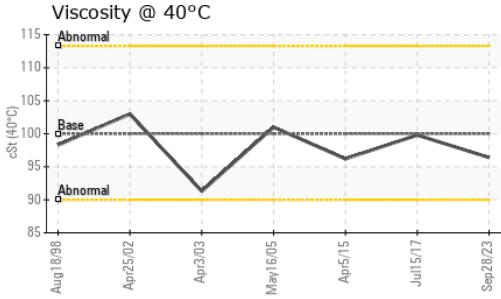
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)		19	3	5
Sodium	ppm	ASTM D5185(m)		2	4	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0

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	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	VLITE
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
Free Water	scalar	Visual*		NEG	NEG	NEG



OIL ANALYSIS REPORT

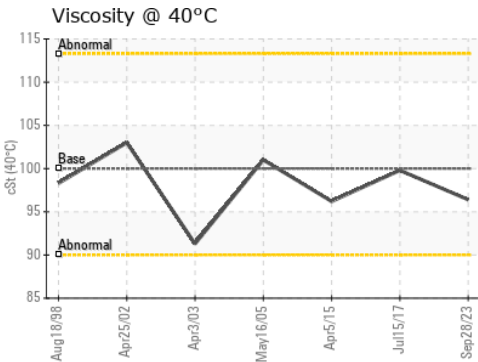
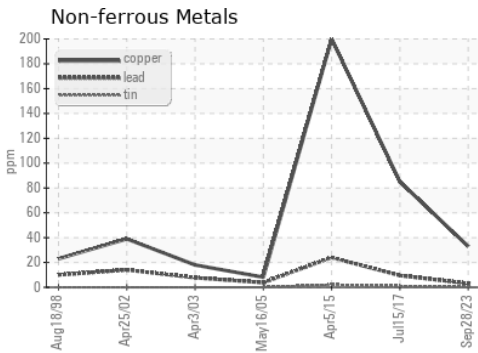
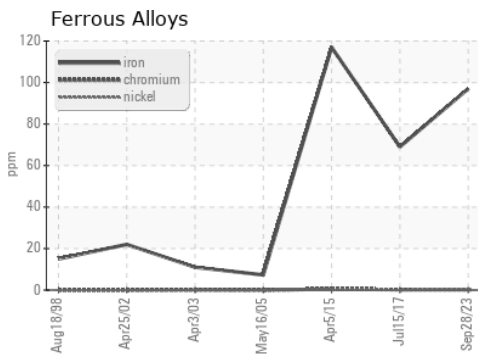


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	100	96.4	99.8	96.2

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color						
Bottom						

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0483854
Lab Number : 02587806
Unique Number : 5656872
Test Package : MAR 1

CANADIAN COAST GUARD
 CCGS W.G. GEORGE, P.O. BOX 5667
 ST. JOHN'S, NL
 CA A1C 5X1
 Contact: Chief Engineer
 ccgcgeorge@dfo-mpo.gc.ca
 T: (709)886-2838
 F: (709)772-3652

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.