

# **OIL ANALYSIS REPORT**



Sample Rating Trend



**WBK G THBR** 

Component Bearing

**ESSO TERESSO ISO 68 (10 LTR)** 

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### Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you follow the water drain-off procedure for this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

## Contamination

Free water present.

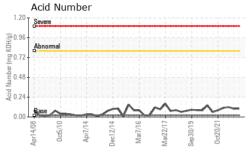
#### **Fluid Condition**

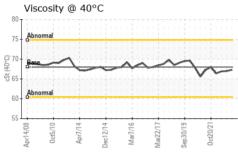
Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

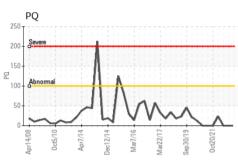
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0706270	WC0328097	WC0328091
Sample Date		Client Info		18 Mar 2024	11 Oct 2023	26 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>63	14	6	4
Chromium	ppm	ASTM D5185(m)	>20	<1	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>2	<1	0	<1
Lead	ppm	ASTM D5185(m)	>161	0	<1	3
Copper	ppm	ASTM D5185(m)	>13	12	9	4
Tin	ppm	ASTM D5185(m)	>27	13	3	3
Antimony	ppm	ASTM D5185(m)		<1	0	<1
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)	4.5	0	<1	<1
Barium	ppm	ASTM D5185(m)	0.4	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	0	1	<1	0
Phosphorus	ppm	ASTM D5185(m)	0.7	113	110	133
Zinc	ppm	ASTM D5185(m)	0	23	22	51
Sulfur	ppm	ASTM D5185(m)	1315	2314	2348	2444
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>12	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		2	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.10	0.10	0.12



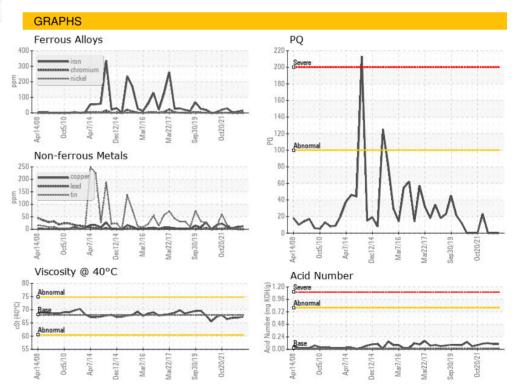
# **OIL ANALYSIS REPORT**







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	VLITE	NONE	NONE
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
<b>Emulsified Water</b>	scalar	Visual*	>2	.2%	NEG	.2%
Free Water	scalar	Visual*		<u>^</u> 1%	NEG	<u>^</u> 1%
FLUID PROPERT	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68	67.3	67.0	66.9
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color					Sow .	



: 25 Mar 2024

: 25 Mar 2024

: 25 Mar 2024 - Kevin Marson



CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number : 02624302 Unique Number : 5749421

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0706270

**Bottom** 

Received **Tested** 

Diagnosed Test Package : IND 2 (Additional Tests: TAN Man)

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.

**NEWFOUNDLAND POWER INC.** 

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