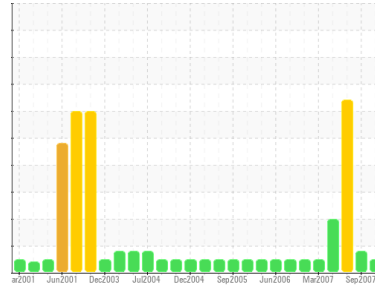




# OIL ANALYSIS REPORT

Sample Rating Trend



ADDITIVES



Machine Id  
**LOK-G1-GEBR**

Component  
**Bearing**

Fluid  
**Hydro Safe HYDRO SAFE ISO 68 (27 GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample. NOTE: The current sample results do not match this units historical trend, indicating the sample may not be from this component/unit.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC753796</b>	WC727374	WC727379
Sample Date	Client Info	<b>12 Mar 2008</b>	11 Sep 2007	24 Jul 2007
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	SEVERE

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	18	15
Iron	ppm	<b>&lt;1</b>	6	5
Chromium	ppm	<b>0</b>	0	<1
Nickel	ppm	<b>0</b>	<1	0
Titanium	ppm	<b>0</b>	0	<1
Silver	ppm	<b>0</b>	<1	<1
Aluminum	ppm	<b>0</b>	0	<1
Lead	ppm	<b>13</b>	▲ 1983	● 1319
Copper	ppm	<b>2</b>	2	1
Tin	ppm	<b>2</b>	▲ 14	5
Vanadium	ppm	<b>0</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	<b>&lt;1</b>	<1	0
Barium	ppm	<b>&lt;1</b>	0	<1
Molybdenum	ppm	<b>0</b>	2	<1
Manganese	ppm	<b>0</b>	<1	<1
Magnesium	ppm	<b>0</b>	<1	<1
Calcium	ppm	<b>&lt;1</b>	1	2
Phosphorus	ppm	<b>2</b>	243	187
Zinc	ppm	<b>2</b>	179	101
Sulfur	ppm	▲ <b>1322</b>	731	641

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	<b>11</b>	<1	<1
Sodium	ppm	<b>&lt;1</b>	3	0
Potassium	ppm	<b>&lt;1</b>	2	2

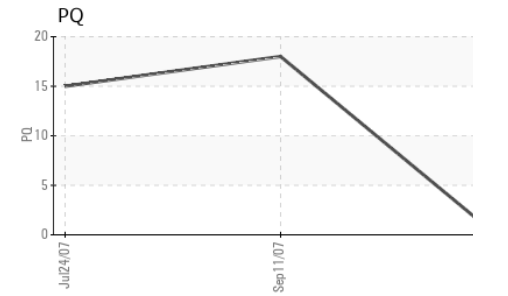
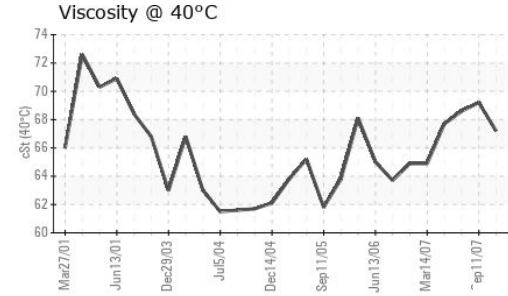
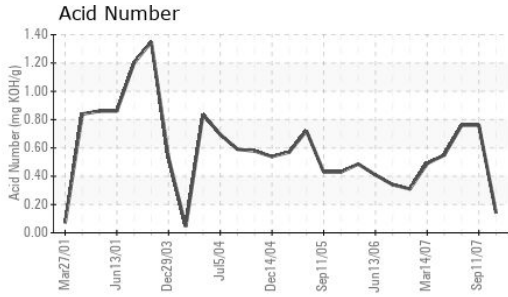
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	▲ <b>0.141</b>	0.76	0.76

## VISUAL

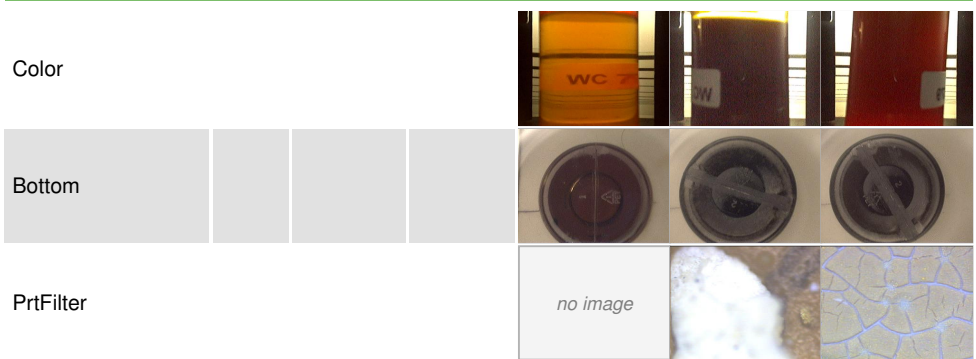
method	limit/base	current	history1	history2		
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	LIGHT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

# OIL ANALYSIS REPORT

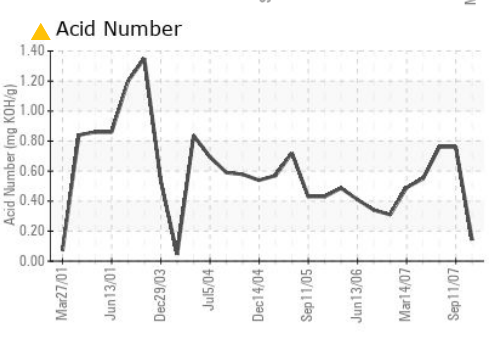
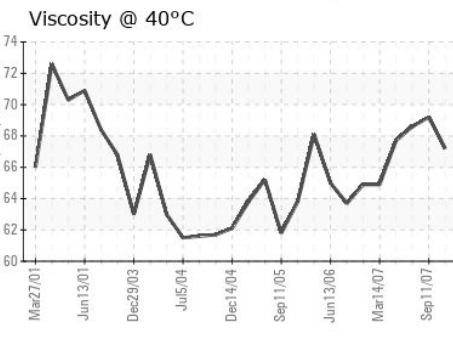
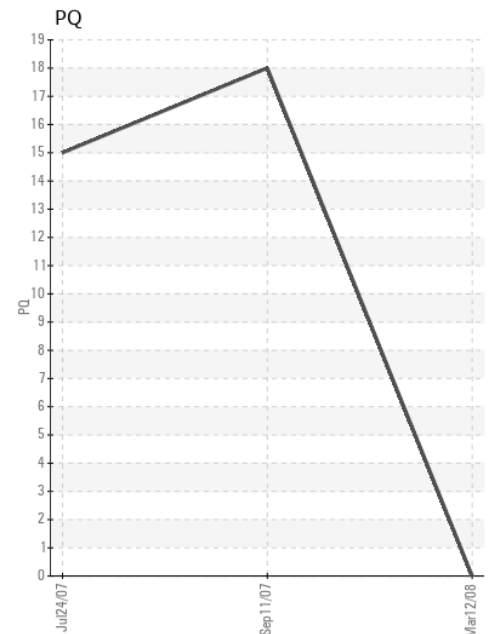
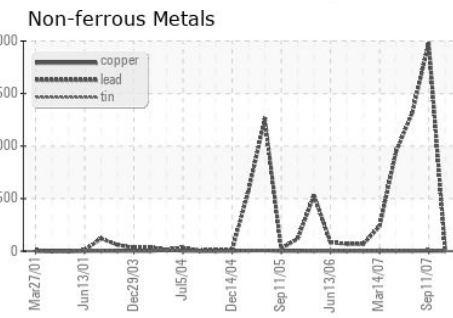
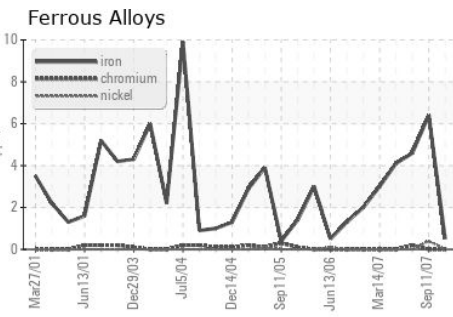


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		67.2	69.2	68.6

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC753796 **Received** : 31 Mar 2008  
**Lab Number** : 01452088 **Diagnosed** : 02 Apr 2008  
**Unique Number** : 2630875 **Diagnostician** :  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**NEWFOUNDLAND POWER INC.**  
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 F: (709)737-2926

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.