## 

## 8698 BANTING AVE NIAGARA FALLS REGION OF NIAGARA REGION OF NIAGARA

## Rear Natural Gas Engine

ESSO XD-3 EXTRA 15W40 (15 LTR)

Beample at the next service interval to monitor.         Sample Number         Client Info         PN000532         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII								
Besample at the next service interval to monitor.         Sample Date         Client Info         Client Info         232	COMMENDATION		UOM	Method	Limit/Abn	Current	History1	History2
Sample Date         Client Info         It an 204	Resample at the next service interval to monitor.							
Oil Age         hrs         Client Info         0             Filter Age         hrs         Client Info         0								
Filter Âge         hrs         Client Info         0		-						
Oil Changed Filter Changed Sample Status         Client Info         Changed Changed		-						
Filter Changed Sample Status         Client Info         Changed ABNORMA		•	hrs	Client Info		-		
Sample Status         ABNORMA		-						
WEAR         Iron         ppm         ASTMD5185(m)         >50         69            Metal levels are typical for a new component breaking in.         Chromium         ppm         ASTMD5185(m)         >4         1             Nickel         ppm         ASTMD5185(m)         >2         <1		-		Client Info		-		
Metal levels are typical for a new component breaking in.         Chromium         ppm         ASTM D5185(m)         >4         1          1           Nickel         ppm         ASTM D5185(m)         >2         <1		Sample Status				ABNORMAL		
Metal levels are typical for a new component breaking in.         Chromium         ppm         ASTM 05185(m)         >4         1          I           Nickel         ppm         ASTM 05185(m)         >2         <1	AB	Iron	ppm	ASTM D5185(m)	>50	69		
Metal levels are typical for a new component breaking in.       Nickel       ppm       ASTM D5186(m)       >2       <1								
Titanium       pm       ASTM D5185(m)       0           Silver       pm       ASTM D5185(m)       >3       0           Aluminum       pm       ASTM D5185(m)       >3       0           Lead       pm       ASTM D5185(m)       >30       2           Lead       pm       ASTM D5185(m)       >30       31           Copper       pm       ASTM D5185(m)       >30       31           Tin       pm       ASTM D5185(m)       >4       0            Vanadium       pm       ASTM D5185(m)       >4       0 <td< td=""><td rowspan="10">Metal levels are typical for a new component breaking in.</td><th></th><td></td><td></td><td></td><th></th><td></td><td></td></td<>	Metal levels are typical for a new component breaking in.							
Silver       ppm       ASTM D5185(m)       >3       0        >         Aluminum       ppm       ASTM D5185(m)       >30       2        >         Lead       ppm       ASTM D5185(m)       >30       2        >         Copper       ppm       ASTM D5185(m)       >30       31        >         Tin       ppm       ASTM D5185(m)       >35       31        >         Vanadium       ppm       ASTM D5185(m)       >4       0        >         Vanadium       ppm       ASTM D5185(m)       >4       0        >       >         Vanadium       ppm       ASTM D5185(m)       >4       0        >								
Aluminum         ppm         ASTM D5185/m         >9         7            Lead         ppm         ASTM D5185/m         >30         2             Copper         ppm         ASTM D5185/m         >30         2             Tin         ppm         ASTM D5185/m         >4         0             Vanadium         ppm         ASTM D5185/m         >4         0             Vanadium         ppm         ASTM D5185/m         >4         0             Vanadium         ppm         ASTM D5185/m         >4         0             Vellow Metal         scalar         Visual*         NONE         VLTE             Potassium         ppm         ASTM D5185/m         >-10         116             Soot %         %         ASTM D7824         0.0					>3			
Lead       ppm       ASTM D5185(m)       >30       2           Copper       ppm       ASTM D5185(m)       >-35       31           Tin       ppm       ASTM D5185(m)       >-4       00           Vanadium       ppm       ASTM D5185(m)       >-4       00           White Metal       scalar       Visual*       NONE       VILTE           Vellow Metal       scalar       Visual*       NONE				. ,				
Copper         ppm         ASTM D5185(m)         >35         31             Tin         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >4         0             Vanadium         ppm         ASTM D5185(m)         >4         0             White Metal         scalar         Visual*         NONE         VLITE             Vellow Metal         scalar         Visual*         NONE         NONE             CONTAMINATION         Silicon         ppm         ASTM D5185(m)         >+100         116             There is no indication of any contamination in the oil.         Silicon         ppm         ASTM D7815(m)         >20         23             Glycol         %         ASTM D7815(m)         >20         12.0             Solo %         %         ASTM D784*         >20         12.0             Sulfation         Abs/cm         ASTM D784*         >20         12.6								
Tin       ppm       ASTM D5186/m       >4       0           Vanadium       ppm       ASTM D5185/m       NONE       VLITE           White Metal       scalar       Visual*       NONE       VLITE           Vellow Metal       scalar       Visual*       NONE       NONE								
Vanadium         ppm         ASTM D5185(m)         Component         C				. ,				
White Metal Yellow Metal         scalar         Visual*         NONE         VLITE								
Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>+100116PotassiumppmASTM D5185(m)>2023WaterWC Method>0.1NEGGlycol%ASTM D7922*Image: Comparison of any contamination in the oil.Glycol%ASTM D7844*0Soot %%ASTM D7844*0NitrationAbs/cmASTM D7624*>2012.0 </td <th></th> <td></td> <td>1 / /</td> <td>NONE</td> <th></th> <td></td> <td></td>				1 / /	NONE			
Silicon         ppm         ASTM D5185(m)         >+100         116             Potassium         ppm         ASTM D5185(m)         >20         23          0           Water         WC Method         >0.1         NEG          0           Glycol         %         ASTM D7922*         0.0          0           Soot %         %         ASTM D7924*         0          0           Nitration         Abs/cm         ASTM D764*         >0          0           Sulfation         Abs/cm         ASTM D7162*         >20         12.0          0           Sulfation         Abs/cm         ASTM D7162*         >20         12.0          0           Sulfation         Abs/cm         ASTM D7162*         >30         24.6             Sulfation         Abs/cm         ASTM D7162*         >30         24.6             Debris         scalar         Visual*         NONE              Appearance         scalar         Visual*         NORML         NORML <th></th> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>								
Potassium       ppm       ASTM D5185(m)       >20       23           Water       WC Method       >0.1       NEG								
Mater       WC Method       >0.1       NEG           Glycol       %       ASTM D7922*       Image: Comparison of any contamination in the oil.       Image: Comparison of any contamination of	NTAMINATION	Silicon	ppm	ASTM D5185(m)	>+100	116		
Water         WC Method         So.1         NEG		Potassium	ppm	ASTM D5185(m)	>20	23		
Soot %       %       ASTM D7844*       0           Nitration       Abs/m       ASTM D7624*       >20       12.0           Sulfation       Abs/m       ASTM D7624*       >30       24.6           Silt       scalar       Visual*       NONE       NONE           Silt       scalar       Visual*       NONE       NONE           Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       NONE           Appearance       scalar       Visual*       NORE       NORM           Odor       scalar       Visual*       NORE       NORM           Emulsified Water       scalar       Visual*       NORM       NORM           Sodium       ppm       ASTMD5185(m)       >-192       15		Water		WC Method	>0.1	NEG		
Nitration       Abs/cm       ASTM D7624*       >20       12.0           Sulfation       Abs/.1m       ASTM D7624*       >30       24.6		Glycol	%	ASTM D7922*		0.0		
Sulfation       Abs/.1mm       ASTM D7415*       >30       24.6		Soot %	%	ASTM D7844*		0		
Silt       scalar       Visual*       NONE       Inone       Inone <t< td=""><th>Nitration</th><td>Abs/cm</td><td>ASTM D7624*</td><td>&gt;20</td><th>12.0</th><td></td><td></td></t<>		Nitration	Abs/cm	ASTM D7624*	>20	12.0		
Debris       scalar       Visual*       NONE       NONE           Sand/Dirt       scalar       Visual*       NONE       NONE		Sulfation	Abs/.1mm	ASTM D7415*	>30	24.6		
Sand/Dirt       scalar       Visual*       NONE       NONE           Appearance       scalar       Visual*       NORML       NORML		Silt	scalar	Visual*	NONE	NONE		
Appearance       scalar       Visual*       NORML       NORML           Odor       scalar       Visual*       NORML       NORML <t< td=""><th>Debris</th><td>scalar</td><td>Visual*</td><td>NONE</td><th>NONE</th><td></td><td></td></t<>		Debris	scalar	Visual*	NONE	NONE		
Odor         scalar         Visual*         NORML         NORML             Emulsified Water         scalar         Visual*         >0.1         NEG             FLUID CONDITION         Sodium         ppm         ASTM D5185(m) >192         15		Sand/Dirt	scalar	Visual*	NONE	NONE		
Emulsified Water         scalar         Visual*         >0.1         NEG          FLUID CONDITION           Sodium         ppm         ASTM D5185(m)         >192         15		Appearance	scalar	Visual*	NORML	NORML		
FLUID CONDITION         Sodium         ppm         ASTM D5185(m)         >192         15          -		Odor	scalar	Visual*	NORML	NORML		
		Emulsified Water	scalar	Visual*	>0.1	NEG		
		Sodium		ΔSTM D5185(m)	<102	15		
Koron nom ASIMUki9k/m) 61		Boron		ASTM D5185(m)	2132	61		
Viscosity of sample indicates oil is within SAE 20 range, advise	Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The condition of the oil is acceptable for the time in service.							
Malubdonum nom ACTUD5105m 20				. ,				
		-		. ,				
		-						
		-			2700			
				. ,				
				. ,				
Sulfur         ppm         ASTM D5185(m)         3800         2978          -           Ovidation         Abs/(mmACTM D51414)         25         17.2         -         -         -			ppm	ASTM D5185(m)				

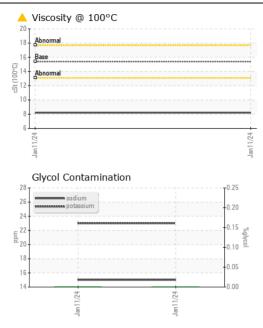
Oxidation

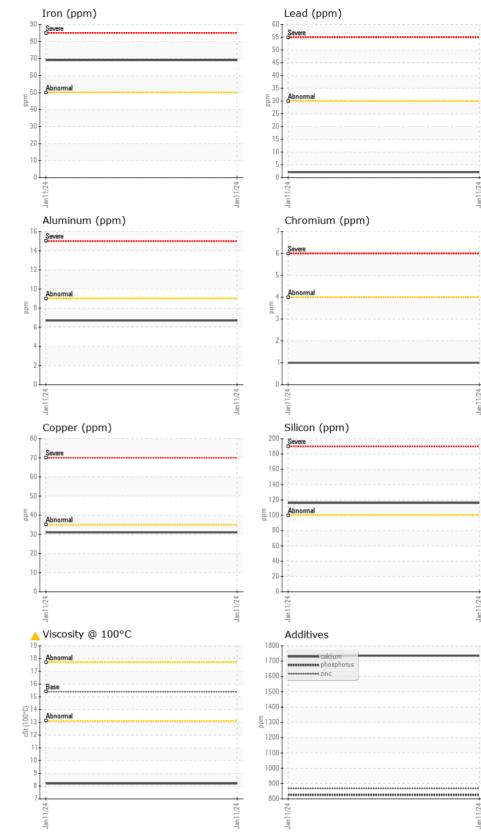
Abs/.1mm ASTM D7414\* >25

Visc @ 100°C cSt ASTM D7279(m) 15.4

17.3

8.2





POWER STATION INC. Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : PN0005632 Recieved : 19 Jan 2024 1050 JAYSON COURT Lab Number : 02609945 Diagnosed MISSISSAUGA, ON : 22 Jan 2024 ISO 17025:2017 Unique Number : 5711031 Accredited Diagnostician : Kevin Marson CA L4W 2V5 Laboratory Test Package : MOB 1 (Additional Tests: Glycol, Visual) Contact: Brett Kinkley To discuss this sample report, contact Customer Service at 1-800-268-2131. Bkinkley@pwrstn.com 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. F: (905)565-8544

Contact/Location: Brett Kinkley - POWMIS Page 2 of 2

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