



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**BEARDAY PIPER 03-FOPO-9-GB**

Component  
**Gearbox**

Fluid  
**ESSO SPARTAN EP 320 (32 LTR)**

## RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

## WEAR

Les taux d'usure de tous les composants sont normaux.

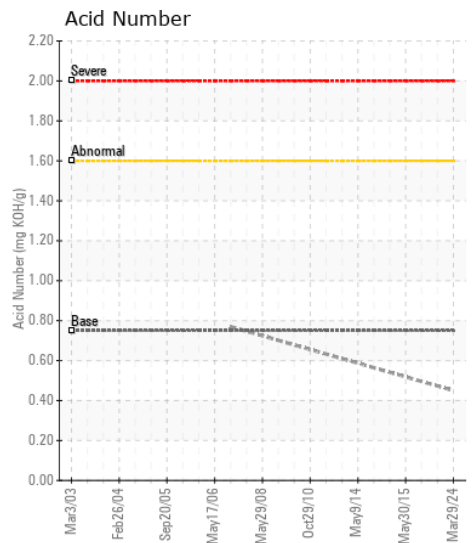
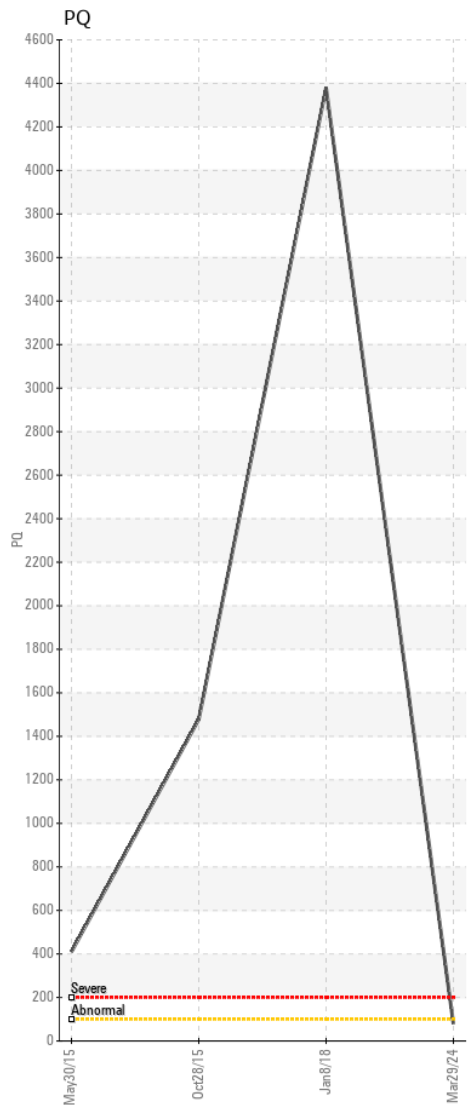
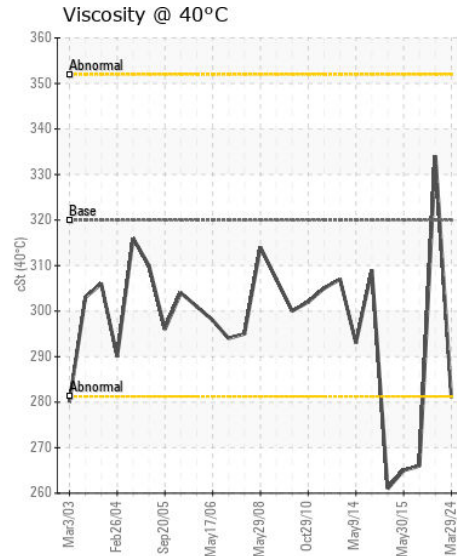
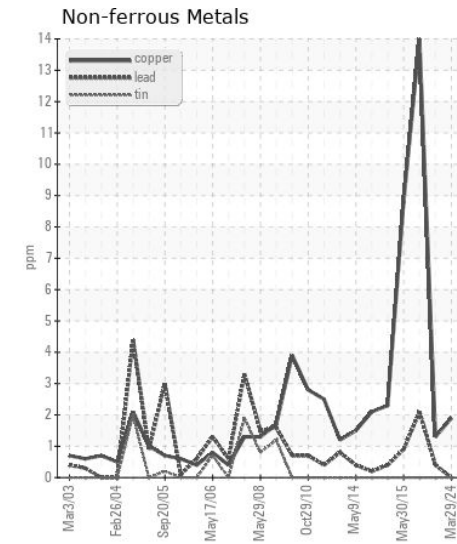
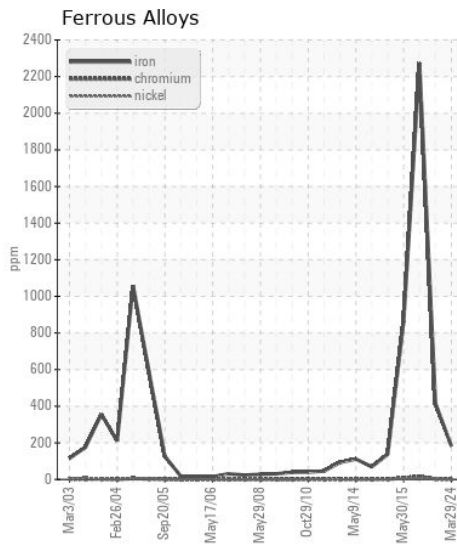
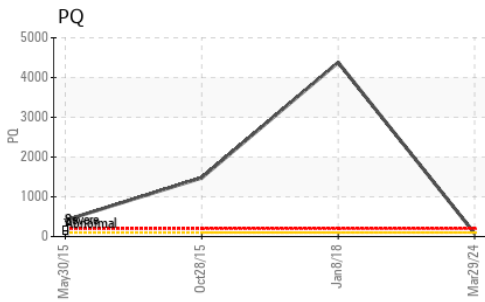
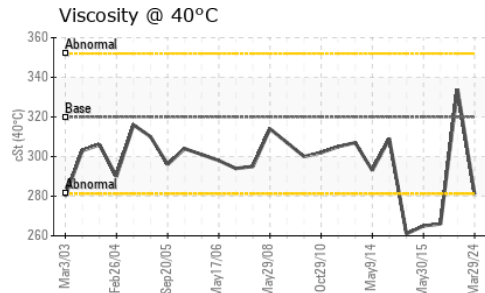
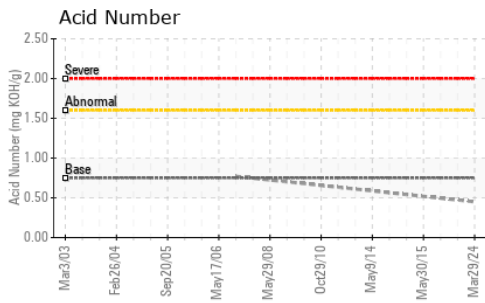
## CONTAMINATION

Il n'y a aucun indice de contamination dans l'huile.

## FLUID CONDITION

La viscosité de l'huile est inférieure à la viscosité type, ce qui pourrait indiquer l'ajout d'un grade d'huile plus léger. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0914873</b>	WC103610	WC829801
Sample Date		Client Info		<b>29 Mar 2024</b>	08 Jan 2018	28 Oct 2015
Machine Age	hrs	Client Info		<b>319779</b>	12472	5395
Oil Age	hrs	Client Info		<b>0</b>	12472	5395
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	SEVERE	SEVERE
PQ		ASTM D8184*		<b>80</b>	▲ 4380	▲ 1478
Iron	ppm	ASTM D5185(m)	>200	<b>182</b>	▲ 416	▲ 2274
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	▲ 17
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	2	6
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	● 43
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1	2
Copper	ppm	ASTM D5185(m)	>200	<b>2</b>	1	14
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>7</b>	33	▲ 603
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	3
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	LIGHT
Debris	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</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*	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>1</b>	1	8
Boron	ppm	ASTM D5185(m)	.4	<b>15</b>	14	15
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>26</b>	<1	17
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	6	▲ 26
Magnesium	ppm	ASTM D5185(m)	0	<b>3</b>	<1	12
Calcium	ppm	ASTM D5185(m)	0	<b>39</b>	15	33
Phosphorus	ppm	ASTM D5185(m)	250	<b>152</b>	301	252
Zinc	ppm	ASTM D5185(m)	0	<b>11</b>	18	27
Sulfur	ppm	ASTM D5185(m)		<b>13463</b>	15582	11731
Acid Number (AN)	mg KOH/g	ASTM D974*	0.75	<b>0.45</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	320	<b>281</b>	334	▲ 266



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0914873 **Received** : 02 Apr 2024  
**Lab Number** : 02626209 **Tested** : 03 Apr 2024  
**Unique Number** : 5759341 **Diagnosed** : 03 Apr 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

**Champion QX Inc.**  
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 CA G2E 3K4  
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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.