



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**T.M.B.**  
Machine Id  
**5502-CVD-006**  
Component  
**6 Gearbox**  
Fluid  
**ESSO SPARTAN EP 220 (20 LTR)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0902397</b>	WC0884529	WC0818926
Sample Date		Client Info		<b>29 Feb 2024</b>	05 Dec 2023	21 Aug 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	SEVERE	ABNORMAL

## WEAR

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

PQ		ASTM D8184*		<b>71</b>	▲ 601	47
Iron	ppm	ASTM D5185(m)	>200	<b>78</b>	▲ 549	134
Chromium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	7	1
Nickel	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	▲ 45	4
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

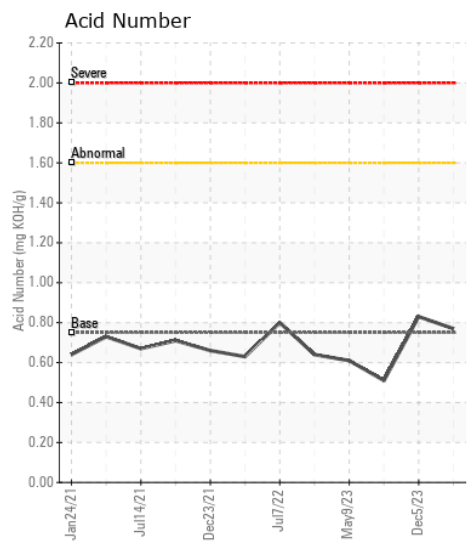
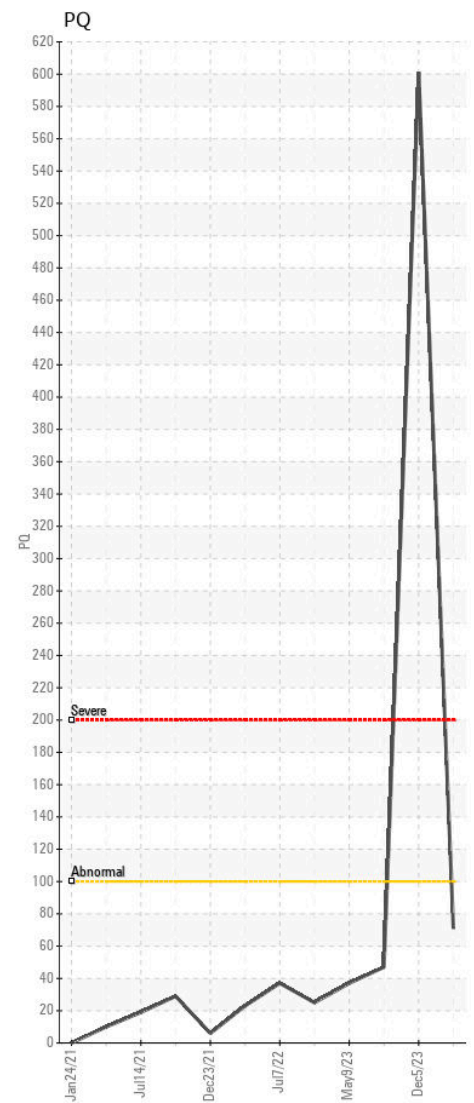
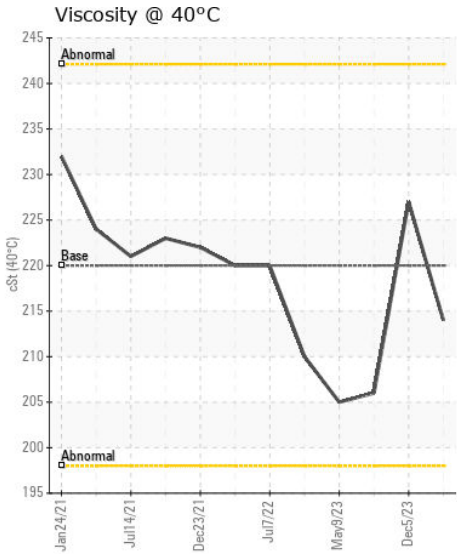
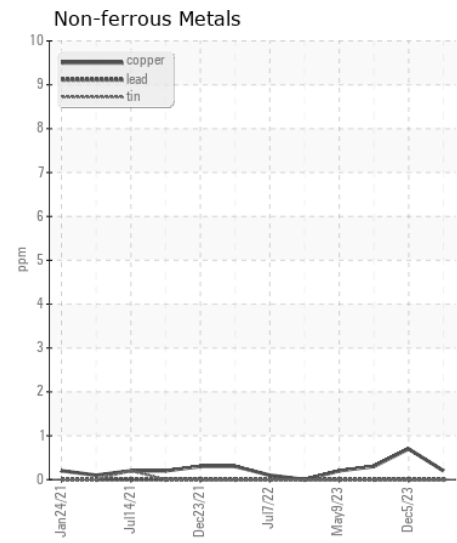
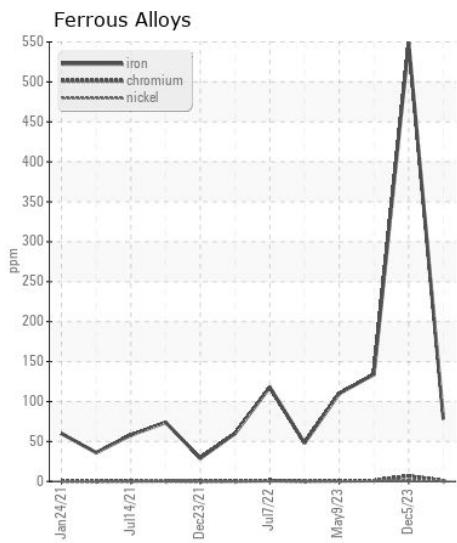
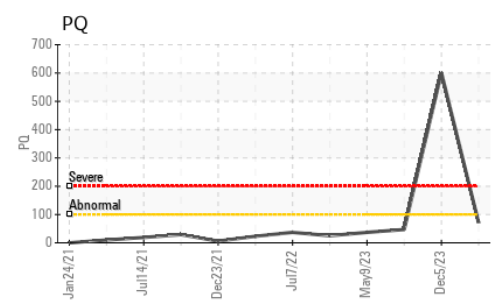
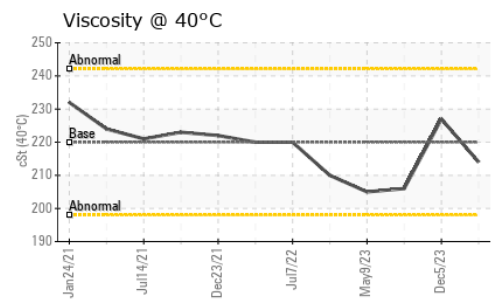
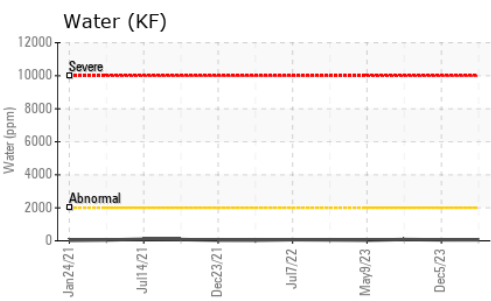
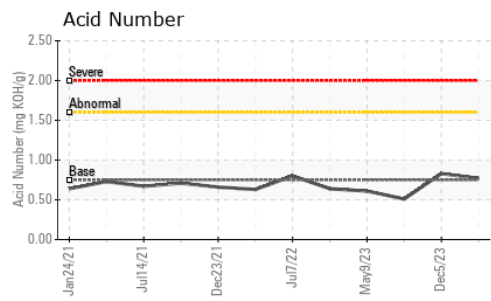
La teneur en eau est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>50	<b>2</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	1
Water	%	ASTM D6304*	>0.2	<b>0.005</b>	0.005	0.008
ppm Water	ppm	ASTM D6304*	>2000	<b>59</b>	58	81.1
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
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*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	21	2
Boron	ppm	ASTM D5185(m)	.5	<b>37</b>	30	19
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	3	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>0</b>	3	8
Calcium	ppm	ASTM D5185(m)	1.7	<b>1</b>	16	21
Phosphorus	ppm	ASTM D5185(m)	250	<b>351</b>	304	345
Zinc	ppm	ASTM D5185(m)	.3	<b>3</b>	27	66
Sulfur	ppm	ASTM D5185(m)		<b>12838</b>	14297	13271
Acid Number (AN)	mg KOH/g	ASTM D974*	0.75	<b>0.77</b>	0.83	0.51
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>214</b>	227	206



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0902397  
**Lab Number** : 02619401  
**Unique Number** : 5736511  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )  
**Received** : 01 Mar 2024  
**Tested** : 04 Mar 2024  
**Diagnosed** : 04 Mar 2024 - Kevin Marson

**RTA - ALMA**  
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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.