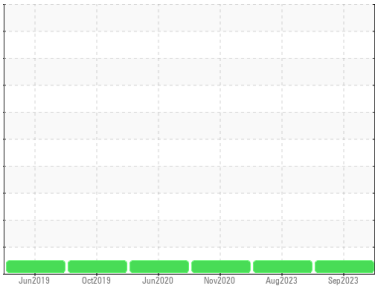
# RAPPORT D'ANALYSE D'HUILE

Sample Rating Trend




**NORMALE**

Identité de la machine
## SM-CYCLO COMP 542-92Y-WF-423 SP-01-0120-WF WAVE FEEDER EXTERIEUR (S/N 2582)
Composant
**Engrenage réducteur**
Fluide
**PETRO CANADA ENDURATEX XL 68/220 (16 LTR)**

## DIAGNOSTIC

**Recommendation**
Resample at the next service interval to monitor.

**Usure**
All component wear rates are normal.

**Contamination**
There is no indication of any contamination in the oil.

**État Du Fluide**
The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

| INFORMATION SUR L'éCHANTILLON | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Numéro d'échant. | | Client Info | | **PC0037030** | PC0037032 | PC0022018 |
| Date d'échant. | | Client Info | | **26 Sep 2023** | 22 Aug 2023 | 09 Nov 2020 |
| Âge d la Machine | mths | Client Info | | **110** | 24000 | 24000 |
| Âge de l'huile | mths | Client Info | | **3** | 24000 | 7000 |
| Huile changée | | Client Info | | **N/A** | N/A | Not Changd |
| Statut de l'échant. | | | | **NORMAL** | NORMAL | NORMAL |

| MéTAUX D'USURE | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Fer | ppm | ASTM D5185(m) | >150 | **20** | 37 | 8 |
| Chrome | ppm | ASTM D5185(m) | >10 | **0** | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >10 | **0** | 0 | <1 |
| Titane | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | | **<1** | 0 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >25 | **<1** | <1 | <1 |
| Plomb | ppm | ASTM D5185(m) | >100 | **<1** | 0 | 0 |
| Cuivre | ppm | ASTM D5185(m) | >50 | **2** | <1 | <1 |
| Étain | ppm | ASTM D5185(m) | >10 | **0** | 0 | 0 |
| Antimoine | ppm | ASTM D5185(m) | >5 | **0** | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Béryllium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | **0** | 0 | 0 |

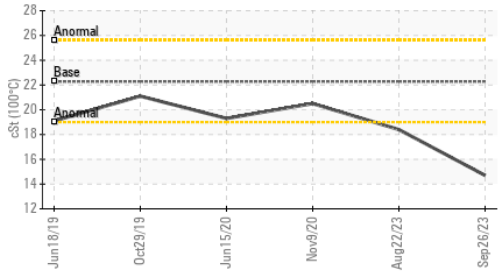
| ADDITIFS | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Bore | ppm | ASTM D5185(m) | | **56** | 51 | 55 |
| Baryum | ppm | ASTM D5185(m) | | **<1** | 0 | <1 |
| Molybdène | ppm | ASTM D5185(m) | | **0** | 0 | <1 |
| Manganèse | ppm | ASTM D5185(m) | | **0** | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | | **3** | <1 | 0 |
| Calcium | ppm | ASTM D5185(m) | | **18** | 7 | 3 |
| Phosphore | ppm | ASTM D5185(m) | 240 | **290** | 269 | 231 |
| Zinc | ppm | ASTM D5185(m) | | **12** | 6 | 3 |
| Soufre | ppm | ASTM D5185(m) | 4060 | **5095** | 4660 | 5059 |
| Lithium | ppm | ASTM D5185(m) | | **<1** | <1 | <1 |

| CONTAMINANTS | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Silicium | ppm | ASTM D5185(m) | >50 | **6** | 3 | 1 |
| Sodium | ppm | ASTM D5185(m) | | **<1** | <1 | <1 |
| Potassium | ppm | ASTM D5185(m) | >20 | **<1** | <1 | 0 |

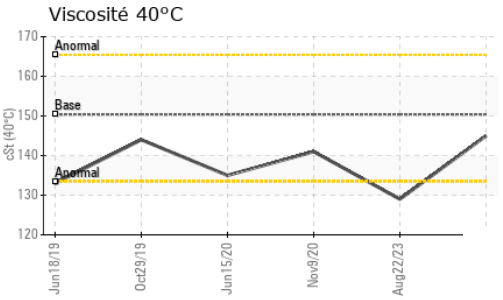
| VISUEL | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Métal blanc | scalar | Visual* | NONE | **NONE** | VLITE | NONE |
| Bronze | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Précipié | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Limon | scalar | Visual* | NONE | **NONE** | VLITE | NONE |
| Débris | scalar | Visual* | NONE | **NONE** | VLITE | VLITE |
| Saleté | scalar | Visual* | NONE | **NONE** | NONE | NONE |
| Apparence | scalar | Visual* | NORML | **NORML** | NORML | NORML |
| Odeur | scalar | Visual* | NORML | **NORML** | NORML | NORML |
| Eau émulsifiée | scalar | Visual* | >0.1 | **NEG** | NEG | NEG |
| Eau libre | scalar | Visual* | | **NEG** | NEG | NEG |

# RAPPORT D'ANALYSE D'HUILE

Viscosité 100°C

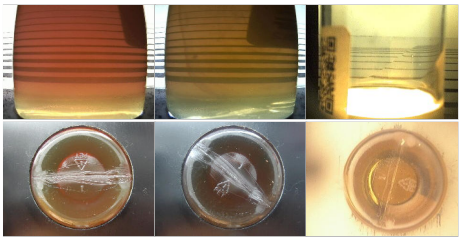



Viscosité 40°C



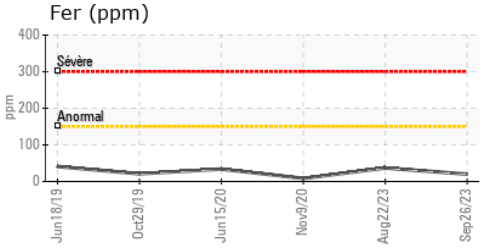

| PROPRIéTéS DU FLUID | | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|---|
| Visc 40°C | cSt | ASTM D7279(m) | 150.4 | **145** | 129 | 141 |
| Visc 100°C | cSt | ASTM D7279(m) | 22.28 | **14.7** | 18.4 | 20.5 |
| Indice de viscosité (VI) | Scale | ASTM D2270* | 176 | **100** | 160 | 168 |

| IMAGES DE L'éCHANTILLON | methode | limite/base | actuel | passé1 | passé2 |
|---|---|---|---|---|---|
| Coluer | | | | | |
| Fond | | | | | |

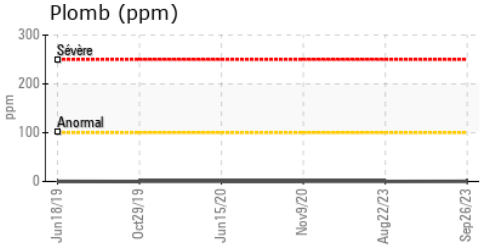


## GRAPHIQUES

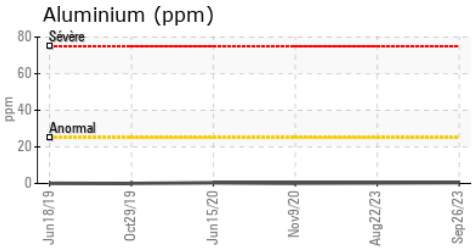
Fer (ppm)



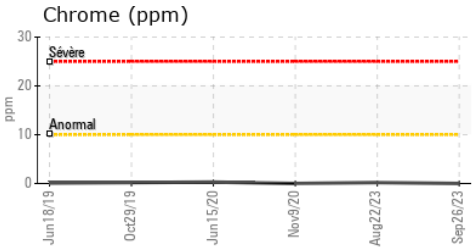

Plomb (ppm)



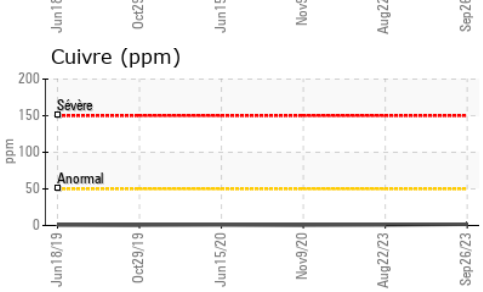

Aluminium (ppm)



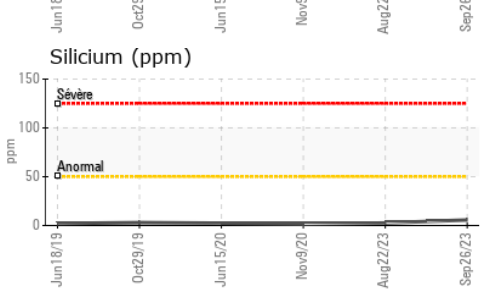

Chrome (ppm)



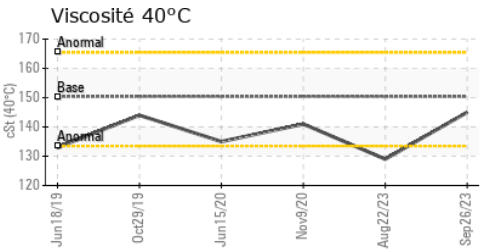

Cuivre (ppm)



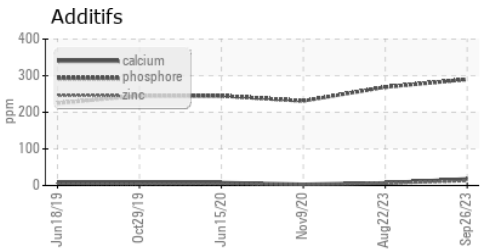

Silicium (ppm)




Viscosité 40°C




Additifs




ISO 17025:2017 Accredited Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
**Nº d'échantillon** : PC0037030 **Reçu** : 02 Oct 2023
**Nº de laboratoire** : 02586159 **Diagnostiqué** : 02 Oct 2023
**Numéro unique** : 5655225 **Diagnostiqueur** : Kevin Marson
**Analyse** : MOB 1 ( Additional Tests: KV100, VI )

*Pour discuter cetter rapport, contacter le service à la clientèle au 1-800-268-2131.*
*Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.*
*La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.*

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