



RAPPORT DU CARBURANT

Sample Rating Trend

ISO(LES NORMES)

Secteur
[97676]
Identité de la machine
PENTHOUSE

Composant
Carburant diesel
Fluide

No.2 DIESEL FUEL (LOW-SULPHUR) (--- GAL)



DIAGNOSTIC

Recommendation

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you filter this fluid before use. Resample in 30-45 days to monitor this situation.

Corrosion

Lead ppm levels are abnormal. Copper and iron ppm levels are marginal. The high metal levels indicate corrosion in the system.

Contaminants

Particles >14µm are severely high. Particles >21µm are severely high. Particles >6µm are severely high. Oil Cleanliness are severely high. Particles >4µm are severely high. Particles >38µm are notably high. The water content is negligible.

État Du Carburant

The fuel is no longer serviceable as a result of the abnormal and/or severe wear.

| INFORMATION SUR L'ÉCHANTILLON | | methode | limite/base | actuel | passé1 | passé2 |
|-------------------------------|-------------|-------------|-------------|--------------------|--------|--------|
| Numéro d'échant. | Client Info | | | CU0019821 | --- | --- |
| Date d'échant. | Client Info | | | 04 Mar 2023 | --- | --- |
| Âge d la Machine | hrs | Client Info | | 0 | --- | --- |
| Statut de l'échant. | | | | SEVERE | --- | --- |

| PHYSICAL PROPERTIES | | methode | limite/base | actuel | passé1 | passé2 |
|-------------------------------|------|----------------|-------------|--------------|--------|--------|
| Densité | | ASTM D1298* | 0.839 | 0.828 | --- | --- |
| Couleur du carburant | text | Visual Screen* | Yllow | Black | --- | --- |
| Visc 40°C | cSt | ASTM D7279(m) | 3.0 | 2.1 | --- | --- |
| Point d'éclair Pensky-Martens | °C | ASTM D7215* | 52 | 56 | --- | --- |

| SULFUR CONTENT | | methode | limite/base | actuel | passé1 | passé2 |
|----------------|-----|---------------|-------------|-----------|--------|--------|
| Soufre | ppm | ASTM D5185(m) | 250 | 55 | --- | --- |

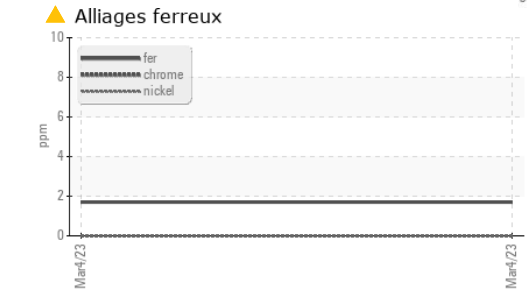
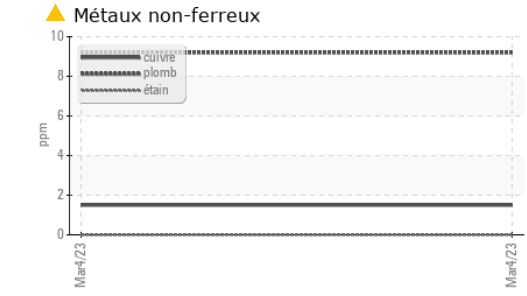
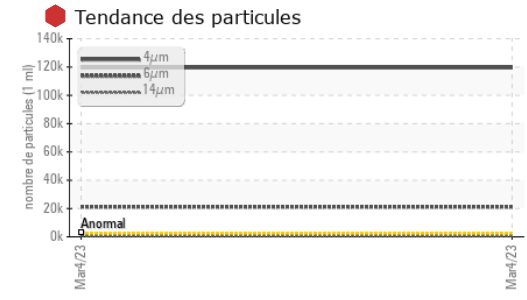
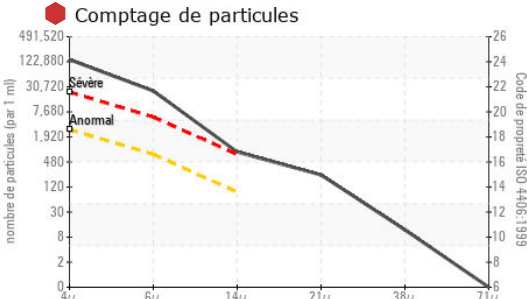
| DISTILLATION | | methode | limite/base | actuel | passé1 | passé2 |
|------------------------------|----|-------------|-------------|------------|--------|--------|
| Point d'ébullition initial | °C | ASTM D2887* | 165 | 166 | --- | --- |
| Point de distillation de 5% | °C | ASTM D2887* | | 186 | --- | --- |
| Point de distillation de 10% | °C | ASTM D2887* | 201 | 195 | --- | --- |
| Point de distillation de 15% | °C | ASTM D2887* | | 202 | --- | --- |
| Point de distillation de 20% | °C | ASTM D2887* | 216 | 208 | --- | --- |
| Point de distillation de 30% | °C | ASTM D2887* | 230 | 221 | --- | --- |
| Point de distillation de 40% | °C | ASTM D2887* | 243 | 233 | --- | --- |
| Point de distillation de 50% | °C | ASTM D2887* | 255 | 244 | --- | --- |
| Point de distillation de 60% | °C | ASTM D2887* | 267 | 257 | --- | --- |
| Point de distillation de 70% | °C | ASTM D2887* | 280 | 271 | --- | --- |
| Point de distillation de 80% | °C | ASTM D2887* | 295 | 286 | --- | --- |
| Point de distillation de 85% | °C | ASTM D2887* | | 297 | --- | --- |
| Point de distillation de 90% | °C | ASTM D2887* | 310 | 308 | --- | --- |
| Point de distillation de 95% | °C | ASTM D2887* | | 327 | --- | --- |
| Point d'ébullition final | °C | ASTM D2887* | 341 | 357 | --- | --- |

| IGNITION QUALITY | | methode | limite/base | actuel | passé1 | passé2 |
|------------------|--|-------------|-------------|-----------|--------|--------|
| Densité API | | ASTM D1298* | 37.7 | 39 | --- | --- |
| Indice de cétane | | ASTM D4737* | <40.0 | 49 | --- | --- |

| CONTAMINANTS | | methode | limite/base | actuel | passé1 | passé2 |
|--------------|-----|---------------|-------------|--------------|--------|--------|
| Silicium | ppm | ASTM D5185(m) | <1.0 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185(m) | <0.1 | 3 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | <0.1 | <1 | --- | --- |
| Eau | % | ASTM D6304* | <0.05 | 0.003 | --- | --- |
| ppm d'eau | ppm | ASTM D6304* | <500 | 29.6 | --- | --- |

| PROPRETÉ DU FLUIDE | | methode | limite/base | actuel | passé1 | passé2 |
|---------------------|--|--------------|-------------|-----------------|--------|--------|
| Particules >4µ | | ASTM D7647 | >2500 | 119503 | --- | --- |
| Particules >6µ | | ASTM D7647 | >640 | 21174 | --- | --- |
| Particules >14µ | | ASTM D7647 | >80 | 731 | --- | --- |
| Particules >21µ | | ASTM D7647 | >20 | 206 | --- | --- |
| Particules >38µ | | ASTM D7647 | >4 | 10 | --- | --- |
| Particules >71µ | | ASTM D7647 | >3 | 0 | --- | --- |
| Propreté de l'huile | | ISO 4406 (c) | >18/16/13 | 24/22/17 | --- | --- |

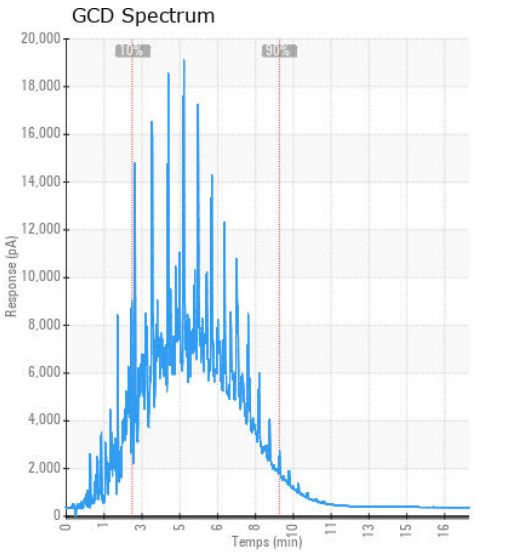
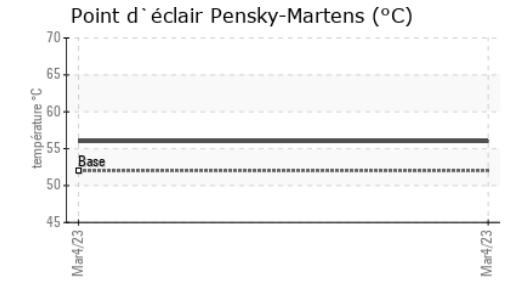
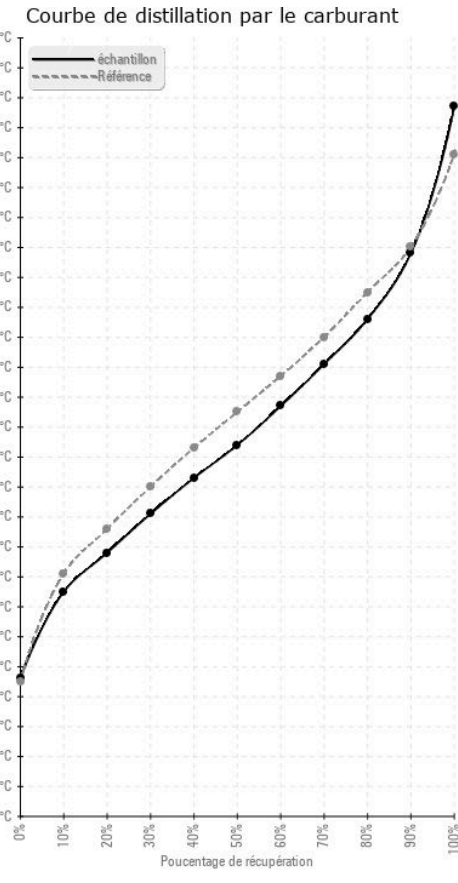
RAPPORT DU CARBURANT



| HEAVY METALS | methode | limite/base | actuel | passé1 | passé2 |
|--------------|---------|---------------|--------|--------|--------|
| Aluminium | ppm | ASTM D5185(m) | <0.1 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | <0.1 | 0 | --- |
| Plomb | ppm | ASTM D5185(m) | <0.1 | ▲ 9 | --- |
| Vanadium | ppm | ASTM D5185(m) | <0.1 | 0 | --- |
| Fer | ppm | ASTM D5185(m) | <0.1 | ▲ 2 | --- |
| Calcium | ppm | ASTM D5185(m) | <0.1 | 4 | --- |
| Magnésium | ppm | ASTM D5185(m) | <0.1 | <1 | --- |
| Phosphore | ppm | ASTM D5185(m) | <0.1 | <1 | --- |
| Zinc | ppm | ASTM D5185(m) | <0.1 | 4 | --- |

| IMAGES DE L'ÉCHANTILLON | methode | limite/base | actuel | passé1 | passé2 |
|-------------------------|---------|-------------|--------|----------|----------|
| Coluer | | | | no image | no image |
| Fond | | | | no image | no image |

GRAPHIQUES



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : CU0019821
N° de laboratoire : 02544406
Numéro unique : 5541411
Analyse : FUEL (Additional Tests: CC Flash, GC-PercFuel, PQ, PrtCount)

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Pour discuter cette 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.