



Machine Id
KOMATSU 21741

Component
Hydraulic System

Fluid
SAE 10W30 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels des contaminants peuvent pénétrer dans le système. Nous vous recommandons de remplacer le filtre et d'utiliser un système de filtrage hors-ligne afin d'améliorer la propreté du fluide. Le reniflard d'air doit être réparé. S'il n'est pas classé, nous vous recommandons de le remplacer par un reniflard à air adapté au micron et / ou au dessiccant. Si évalué, nous vous recommandons de réparer / remplacer le reniflard. Échantillonner de nouveau dans 30 à 45 jours afin de contrôler la situation. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

WEAR

Nous avons noté une hausse du taux d'étain. Les taux d'usure de tous les autres composants sont normaux.

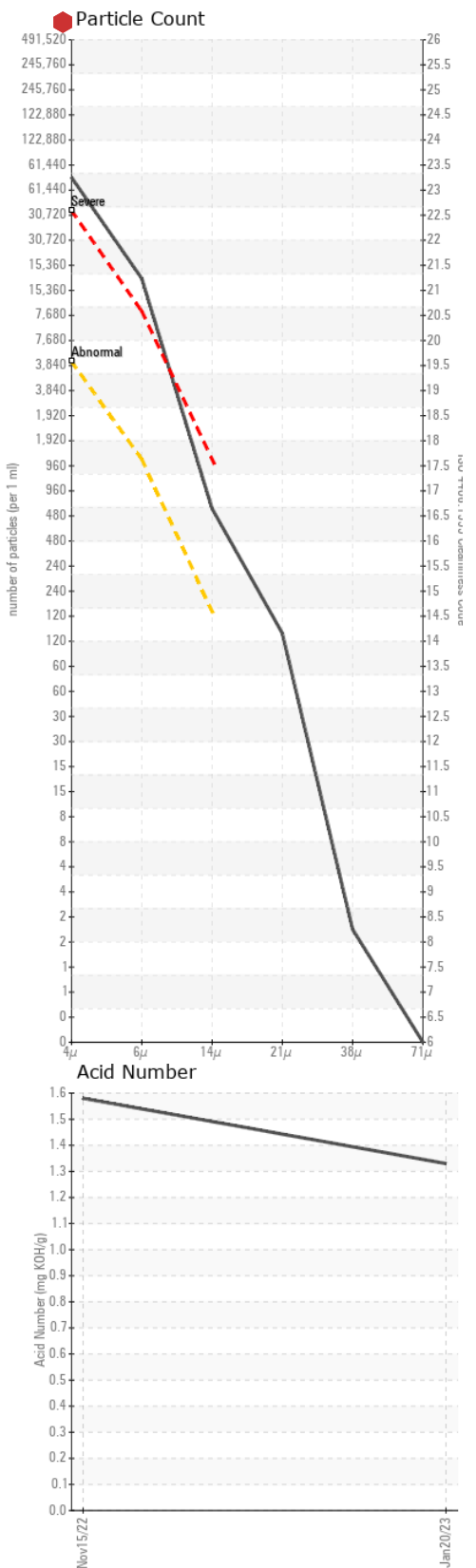
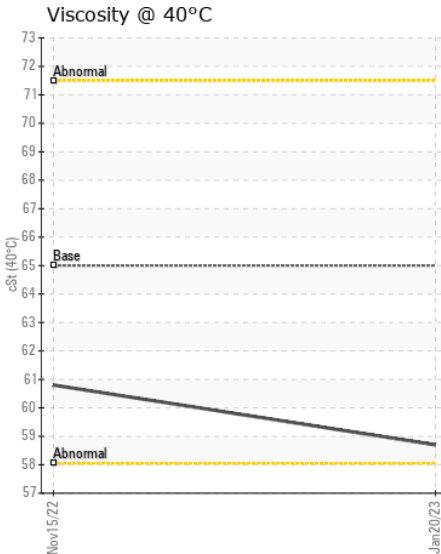
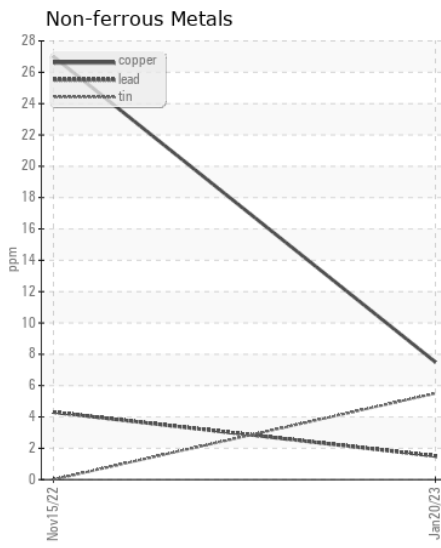
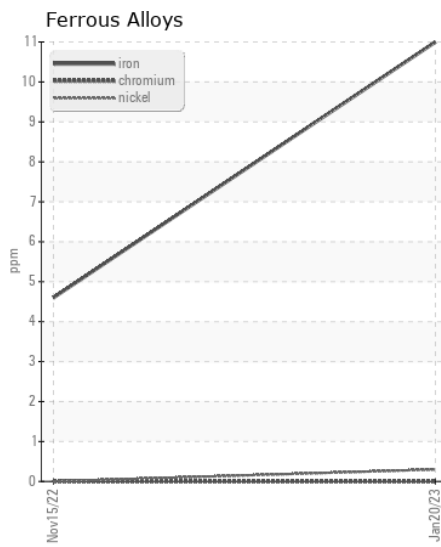
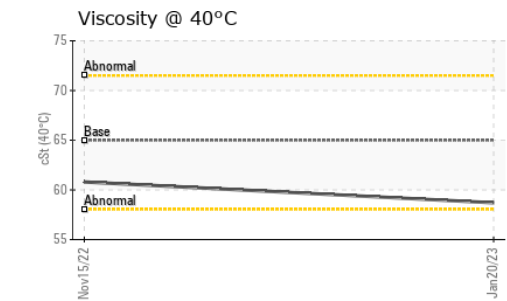
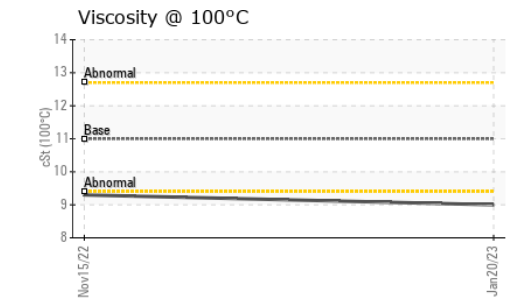
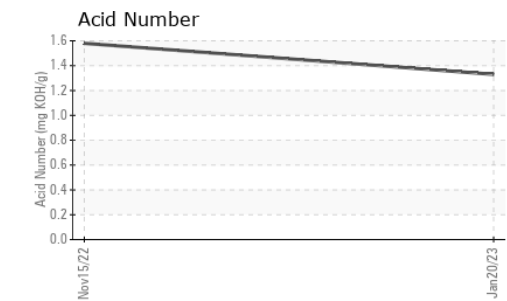
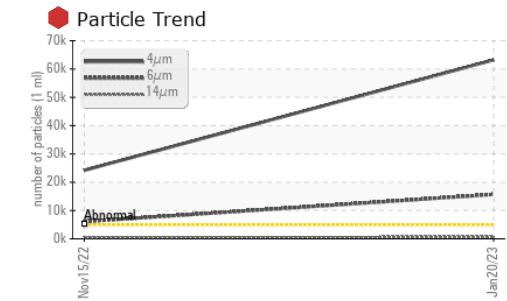
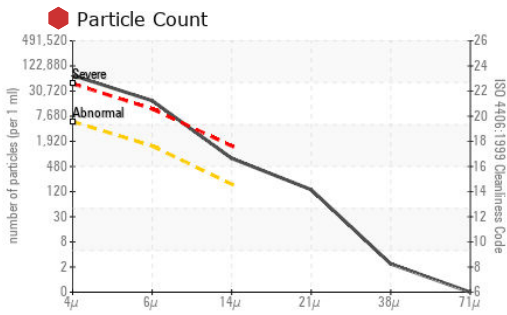
CONTAMINATION

Il y a une grande quantité de particules (de 4 à 38 microns) dans l'huile.

FLUID CONDITION

Le AN est acceptable pour ce fluide. l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------------|----------|---------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | PC0070540 | PC0030202 | --- |
| Sample Date | | Client Info | | 20 Jan 2023 | 15 Nov 2022 | --- |
| Machine Age | hrs | Client Info | | 1055 | 1541 | --- |
| Oil Age | hrs | Client Info | | 0 | 1540 | --- |
| Filter Age | hrs | Client Info | | 0 | 500 | --- |
| Oil Changed | | Client Info | | N/A | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | Not Changd | --- |
| Sample Status | | | | SEVERE | ABNORMAL | --- |
| Iron | ppm | ASTM D5185(m) | >20 | 11 | 5 | --- |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >10 | 2 | 1 | --- |
| Lead | ppm | ASTM D5185(m) | >10 | 2 | 4 | --- |
| Copper | ppm | ASTM D5185(m) | >75 | 8 | 27 | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 6 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185(m) | >20 | 7 | 4 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Particles >4µm | | ASTM D7647 | >5000 | 63226 | 24210 | --- |
| Particles >6µm | | ASTM D7647 | >1300 | 15699 | 6072 | --- |
| Particles >14µm | | ASTM D7647 | >160 | 659 | 509 | --- |
| Particles >21µm | | ASTM D7647 | >40 | 118 | 149 | --- |
| Particles >38µm | | ASTM D7647 | >10 | 2 | 10 | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 2 | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 23/21/17 | 22/20/16 | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | VLITE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185(m) | >228 | 5 | 4 | --- |
| Boron | ppm | ASTM D5185(m) | | 25 | 28 | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 27 | 23 | --- |
| Manganese | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 392 | 324 | --- |
| Calcium | ppm | ASTM D5185(m) | | 1991 | 2035 | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 1055 | 1001 | --- |
| Zinc | ppm | ASTM D5185(m) | | 1124 | 1069 | --- |
| Sulfur | ppm | ASTM D5185(m) | | 3082 | 2975 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D974* | | 1.33 | 1.58 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 65.0 | 58.7 | 60.8 | --- |
| Visc @ 100°C | cSt | ASTM D7279(m) | 11.0 | 9 | 9.3 | --- |
| Viscosity Index (VI) | Scale | ASTM D2270* | 161 | 131 | 132 | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0070540 **Received** : 28 Mar 2023
Lab Number : 02547993 **Tested** : 29 Mar 2023
Unique Number : 5553003 **Diagnosed** : 29 Mar 2023 - Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, VI)

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.

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