



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[521859]
 Machine Id
1961358
 Component
Unknown Component
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

Wear

{not applicable}

Contaminants

ISO Cleanliness Code (ISO 4406:1999): 20/18/12;
 Cumulative particle counts >4µm = 9990, >6µm = 1878, >14µm = 37, >21µm = 6, >38µm = 1, >71µm = 0.

Oil Condition

{not applicable}

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | PP | --- | --- |
| Sample Date | Client Info | 15 Dec 2023 | --- | --- |
| Machine Age | hrs Client Info | 0 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | NORMAL | --- | --- |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|------------|------------|----------|----------|
| Water | WC Method | NEG | --- | --- |

FLUID CLEANLINESS

| method | limit/base | current | history1 | history2 |
|-----------------|------------------------|-----------------|----------|----------|
| Particles >4µm | ASTM D7647 >5000 | 9990 | --- | --- |
| Particles >6µm | ASTM D7647 >1300 | 1878 | --- | --- |
| Particles >14µm | ASTM D7647 >160 | 37 | --- | --- |
| Particles >21µm | ASTM D7647 >40 | 6 | --- | --- |
| Particles >38µm | ASTM D7647 >10 | 1 | --- | --- |
| Particles >71µm | ASTM D7647 >3 | 0 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) >19/17/14 | 20/18/12 | --- | --- |

VISUAL

| method | limit/base | current | history1 | history2 |
|--------------|----------------------|--------------|----------|----------|
| White Metal | scalar Visual* NONE | NONE | --- | --- |
| Yellow Metal | scalar Visual* NONE | NONE | --- | --- |
| Precipitate | scalar Visual* NONE | NONE | --- | --- |
| Silt | scalar Visual* NONE | NONE | --- | --- |
| Debris | scalar Visual* NONE | NONE | --- | --- |
| Sand/Dirt | scalar Visual* NONE | NONE | --- | --- |
| Appearance | scalar Visual* NORML | NORML | --- | --- |
| Odor | scalar Visual* NORML | NORML | --- | --- |

SAMPLE IMAGES

| method | limit/base | current | history1 | history2 |
|--------|------------|---------|----------|----------|
| Color | | | no image | no image |
| Bottom | | | no image | no image |



FERROGRAPHY REPORT

Area
[521859]
 Machine Id
1961358
 Component
Unknown Component
 Fluid
NOT GIVEN (--- GAL)

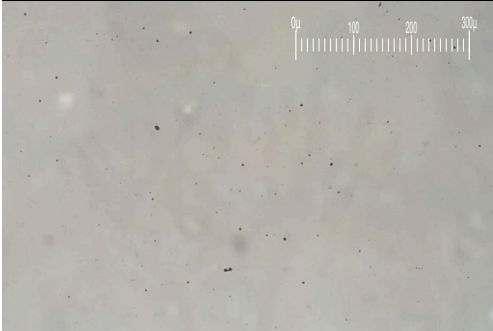
Magn: 200x Illum: BC



Magn: 50x Illum: RW



Magn: 100x Illum: RW



| FERROGRAPHY | method | limit/base | current | history1 | history2 |
|-----------------------|------------------------|------------|---------|----------|----------|
| Ferrous Rubbing | Scale 0-10 ASTM D7684* | | 1 | | |
| Ferrous Sliding | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Cutting | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Rolling | Scale 0-10 ASTM D7684* | | 1 | | |
| Ferrous Break-in | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Spheres | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Black Oxides | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Red Oxides | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Corrosive | Scale 0-10 ASTM D7684* | | | | |
| Ferrous Other | Scale 0-10 ASTM D7684* | | | | |
| Nonferrous Rubbing | Scale 0-10 ASTM D7684* | | | | |
| Nonferrous Sliding | Scale 0-10 ASTM D7684* | | | | |
| Nonferrous Cutting | Scale 0-10 ASTM D7684* | | | | |
| Nonferrous Rolling | Scale 0-10 ASTM D7684* | | | | |
| Nonferrous Other | Scale 0-10 ASTM D7684* | | | | |
| Carbonaceous Material | Scale 0-10 ASTM D7684* | | | | |
| Lubricant Degradation | Scale 0-10 ASTM D7684* | | | | |
| Sand/Dirt | Scale 0-10 ASTM D7684* | | | | |
| Fibres | Scale 0-10 ASTM D7684* | | | | |
| Spheres | Scale 0-10 ASTM D7684* | | | | |
| Other | Scale 0-10 ASTM D7684* | | 1 | | |

WEAR

{not applicable}