

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area Peninsula Plastics - P01000 Machine Id A2403055

Component Hydraulic System Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

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

🛑 Wear

Copper ppm levels are noted.

| WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Chromium ppm ASTM D5185(m) >10 <1 Nickel ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >10 <1 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 17 Copper ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITVES method | | | | | | | | |
|---|---------------|--------|----------------|--------------------|-------------------|----------|----------|--|
| SAMPLE INFORMATION method linit/base current history1 history2 Batch # Client Info 2024 02 0440 Department Client Info Production Sample From Client Info Machine Sent to WC Client Info 03/08/2024 Sample Date Client Info 0 Machine Age Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info 0 CONTAMINATION method imil/base current history2 Mistory2 Water WC Method >0.05 NEG Wetre WC Method >0 Nickel ppm ASTMD586m >10 <1 Noreacon | | | | | | | | |
| Batch # Client Info 2024 02 0440 Department Client Info Machine Sample From Client Info Mathine Sent to WC Client Info 03/08/2024 Sample Number Client Info 03/08/2024 Sample Date Client Info 0 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status ATTENTION CONTAMINATION method imit/base current history1 history2 Water WC Method >0.0 Nickel ppm ASTM 05186m >10 -1 Silver ppm | | | | | Mar2024 | | | |
| Batch # Client Info 2024 02 0440 Department Client Info Machine Sample From Client Info Machine Sent to WC Client Info 03/08/2024 Sample Number Client Info 03/08/2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info 0 CONTAMINATION method imit/base current historyl history2 Water WC Method >0.05 NEG Muminum ppm ASTM D5156(m) >20 5 Silver ppm ASTM D5156(m) >20 1 | SAMPLE INFORM | ATION | method | limit/base | current | history1 | history2 | |
| Department Client Info Production Sample From Client Info Initial Sample Number Client Info 03/08/2024 Sample Number Client Info 07/08/2024 Sample Number Client Info 0 Oil Age hrs Client Info 0 Oil Changed rs Client Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info N/A Sample Status Kathod >0.05 NEG Water WC Method >0.05 NEG WeAR METALS method Innivbase current History1 History2 Iron ppm ASTM D5185(m)<>10 <1 | | | Client Info | | | | | |
| Sample From Client Info Machine Production Stage Client Info Initial Samt to WC Client Info D3/08/2024 Sample Number Client Info D3/08/2024 Sample Date Client Info O Oil Age hrs Client Info O Oil Changed Client Info O Sample Status Client Info O CONTAMINATION method Imitibase current history1 history2 Water WC Method >0.05 NEG WEAR METALS method imitibase current history1 history2 Iron< | | | | | | | | |
| Production Stage Client Info Initial Sent to WC Client Info 03/08/2024 Sample Number Client Info 07 Mar 2024 Machine Age hrs Client Info 0 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info 0 CONTAMINATION method Imit/base current history1 history2 Water WC Method >0.05 NEG Mickel ppm ASTM 0585(m) >10 <1 | • | | | | | | | |
| Sent to WC Client Info 03/08/2024 Sample Number Client Info 07 Mar 2024 Sample Date Client Info 07 Mar 2024 Oll Age hrs Client Info 0 Oll Age hrs Client Info 0 Oll Age hrs Client Info 0 Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05185(m) >20 5 Mickel ppm ASTM 05185(m) 0 Silver ppm ASTM 05185(m) 20 17 | • | | | | | | | |
| Sample Number Client Info E30001544 Sample Date Client Info 07 Mar 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >10 <1 | Ĵ. | | | | | | | |
| Sample Date Client Info 07 Mar 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Anaged Client Info N/A Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG VEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Nickel ppm ASTM D5185(m) >10 <1 | | | | | | | | |
| Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A CONTAMINATION method imit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185(m) >10 <1 | | | | | | | | |
| Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >10 <1 | • | hrs | | | | | | |
| Oil Changed Sample Status Client Info N/A Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM 05186/m >20 5 Chromium ppm ASTM 05186/m >10 <1 Nickel ppm ASTM 05186/m >10 <1 Silver ppm ASTM 05186/m >10 <1 Lead ppm ASTM 05186/m >20 17 Tin ppm ASTM 05186/m >20 17 Copper ppm ASTM 05186/m 20 Cadmiu | - | | | | - | | | |
| Sample Status ATTENTION CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Othomium ppm ASTM D5185(m) >10 <1 Nickel ppm ASTM D5185(m) 10 <1 Silver ppm ASTM D5185(m) 20 <1 Aluminum ppm ASTM D5185(m) 20 <1 Copper ppm ASTM D5185(m) 20 <1 Tin ppm ASTM D5185(m) 0 Copper ppm ASTM D5185(m) 0 | - | 1110 | | | - | | | |
| CONTAMINATION method limit/base current history1 history2 Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Chromium ppm ASTM D5185(m) >10 <1 | | | | | | | | |
| Water WC Method >0.05 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Chromium ppm ASTM D5185(m) >10 <1 Nickel ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >20 <1 Aluminum ppm ASTM D5185(m) >20 17 Aluminum ppm ASTM D5185(m) 20 17 Copper ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 | - | | | | - | | | |
| WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >20 5 Chromium ppm ASTM D5185(m) >10 <1 Nickel ppm ASTM D5185(m) >10 <1 Nickel ppm ASTM D5185(m) >10 <1 Aluminum ppm ASTM D5185(m) >10 <1 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >20 <17 Copper ppm ASTM D5185(m) >0 Vanadium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDTTVES method limit/base | CONTAMINATION | N | method | limit/base | current | history1 | history2 | |
| Iron ppm ASTM D5185(m) >20 5 Chromium ppm ASTM D5185(m) >10 <1 | Water | | WC Method | >0.05 | NEG | | | |
| Chromium ppm ASTM D5185(m) > 10 < 1 Nickel ppm ASTM D5185(m) > 10 < 1 | WEAR METALS | | method | limit/base | current | history1 | history2 | |
| Nickel ppm ASTM D5185(m) >10 <1 Tittanium ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >10 <1 | Iron | ppm | ASTM D5185(m) | >20 | 5 | | | |
| Interview ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >10 <1 | Chromium | ppm | ASTM D5185(m) | >10 | <1 | | | |
| Bilver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >10 <1 | Nickel | ppm | ASTM D5185(m) | >10 | <1 | | | |
| Aluminum ppm ASTM D5185(m) >10 <1 Lead ppm ASTM D5185(m) >20 <1 Copper ppm ASTM D5185(m) >20 17 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) 0 0 Vanadium ppm ASTM D5185(m) 0 0 Vanadium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Magaese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 74 Calcium ppm ASTM D5185(m) 589 | Titanium | ppm | ASTM D5185(m) | | 0 | | | |
| Lead ppm ASTM D5185(m) >20 <1 Copper ppm ASTM D5185(m) >20 17 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 589 <td>Silver</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td></td> <td>0</td> <td></td> <td></td> | Silver | ppm | ASTM D5185(m) | | 0 | | | |
| Copper ppm ASTM D5185(m) >20 17 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Maganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 74 Calcium ppm ASTM D5185(m) 1281 < | Aluminum | ppm | ASTM D5185(m) | >10 | <1 | | | |
| Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Sulfur ppm ASTM D5185(m) 1281 Sulfur ppm ASTM D5185(m) | Lead | ppm | ASTM D5185(m) | >20 | <1 | | | |
| Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Maganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 2 Zinc ppm ASTM D5185(m) 479 Sulfur ppm ASTM D5185(m) 1281 CONTAMINANTS method limit/base current< | Copper | ppm | ASTM D5185(m) | >20 | <mark> </mark> 17 | | | |
| Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) <1 | Tin | ppm | ASTM D5185(m) | >10 | 0 | | | |
| Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) <1 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 CONTAMINANTS method limit/base current history1 history2 Solium ppm ASTM D5185(m) | Antimony | ppm | ASTM D5185(m) | | 0 | | | |
| CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)<1 | Vanadium | ppm | ASTM D5185(m) | | 0 | | | |
| ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)<1 | Beryllium | ppm | ASTM D5185(m) | | 0 | | | |
| Boron ppm ASTM D5185(m) <1 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m)<>15 2 | Cadmium | ppm | ASTM D5185(m) | | 0 | | | |
| Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 2 Sodium ppm ASTM D5185(m) <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th> | ADDITIVES | | method | limit/base | current | history1 | history2 | |
| Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 | Boron | ppm | ASTM D5185(m) | | <1 | | | |
| Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) < <td><1</td> CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m)<>15 2 Sodium ppm ASTM D5185(m) 0 | <1 | Barium | | | | 0 | | |
| Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <<1 | Molybdenum | | ASTM D5185(m) | | 0 | | | |
| Magnesium ppm ASTM D5185(m) 2 Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 | Manganese | | ASTM D5185(m) | | 0 | | | |
| Calcium ppm ASTM D5185(m) 74 Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 | Magnesium | | ASTM D5185(m) | | | | | |
| Phosphorus ppm ASTM D5185(m) 479 Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 | Calcium | | . , | | 74 | | | |
| Zinc ppm ASTM D5185(m) 589 Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 | Phosphorus | | ASTM D5185(m) | | 479 | | | |
| Sulfur ppm ASTM D5185(m) 1281 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 2 Sodium ppm ASTM D5185(m) >15 2 | Zinc | | | | 589 | | | |
| Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 2 Sodium ppm ASTM D5185(m) >15 2 | Sulfur | | | | | | | |
| Silicon ppm ASTM D5185(m) >15 2 Sodium ppm ASTM D5185(m) 0 | Lithium | | | | <1 | | | |
| Silicon ppm ASTM D5185(m) >15 2 Sodium ppm ASTM D5185(m) 0 | CONTAMINANTS | | met <u>hod</u> | limi <u>t/base</u> | current | history1 | history2 | |
| Sodium ppm ASTM D5185(m) 0 | | | | | | | | |
| | | | | | | | | |
| | Potassium | | | >20 | | | | |



OIL ANALYSIS REPORT



| 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 | 6 | method | limit/base | current | history1 | history2 |
| | | | | | | |

| Color | | no image | no image |
|--------|--|----------|----------|
| Bottom | | no image | no image |
| GRAPHS | | | |

