

Machine Id **TJ036028** Component **Diesel Engine** Filuid **DIESEL ENGINE OIL SAE 40 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

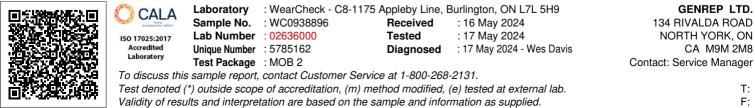
FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| TestUOMMethodLimit/MCurrentHistory1History2Sample NumberClient InfoWC0938896Sample DateClient Info0Machine AgehrsClient Info0Filter AgehrsClient Info0Filter AgehrsClient InfoNot ChangdFilter ChangedClient InfoNot ChangdSample StatusNot ChangdChromiumppmASTM D5185(m)>-200NickelppmASTM D5185(m)>-200NickelppmASTM D5185(m)>-20NickelppmASTM D5185(m)>-20NickelppmASTM D5185(m)>-20NickelppmASTM D5185(m)>-20AluminumppmASTM D5185(m)>-20NaddumppmASTM D5185(m)>-201SiliconppmASTM D5185(m)>-201SulfacippmASTM D5185(m)>-201SulfacippmASTM D5185(m)>-201SiliconppmASTM D5185(m)>-201SulfacippmASTM D5185(m)>-20S.3< | | | | | | | |
|---|------------------|----------|---------------|-----------|-------------|----------|----------|
| Sample DateClient InfoI0 May 2024Machine AgehrsClient Info0Gil AgehrsClient Info0Filter AgehrsClient InfoNot ChangGil ChangedClient InfoNot ChangFilter ChangedClient InfoNot ChangGrin ChangedClient InfoNot ChangSample StatusNot ChangIronppmASTM D5185(m)>101NickelppmASTM D5185(m)>200NickelppmASTM D5185(m)>200NickelppmASTM D5185(m)>300SilverppmASTM D5185(m)>3027AluminumppmASTM D5185(m)>201VanadiumppmASTM D5185(m)>201SiliconppmASTM D5185(m)>201SuitationppmASTM D5185(m)>201SuitationppmASTM D5185(m)>201SuitationppmASTM D5185(m)>201SuitationASTM D5185(m)>205.3SuitationASTM D5185(m)>2025.8SuitationASTM D5185(m) <th>Test</th> <th>UOM</th> <th>Method</th> <th>Limit/Abn</th> <th>Current</th> <th>History1</th> <th>History2</th> | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient InfoNot ChangdOil ChangedClient InfoNot ChangdFilter ChangedQClient InfoNot ChangdSample StatusNot ChangdIronppmASTM DS185(m)>1001IronppmASTM DS185(m)>200NickelppmASTM DS185(m)>40SilverppmASTM DS185(m)>300CopperppmASTM DS185(m)>3027VanadiumppmASTM DS185(m)>201SiliconppmASTM DS185(m)>201SiliconppmASTM DS185(m)>201SulfacionppmASTM DS185(m)>201SulfacionppmASTM DS185(m)>201SulfacionppmASTM DS185(m)>201SulfacionppmASTM DS185(m)>201SulfacionppmASTM DS185(m)>201SulfacionppmASTM DS185(m)201 </th <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>WC0938896</th> <th></th> <th></th> | Sample Number | | Client Info | | WC0938896 | | |
| Oil Age Filter AgehrsClient Info0Filter AgehrsClient InfoNot ChangdOil ChangedClient InfoNot ChangdFilter ChangedQClient InfoNot ChangdSample StatusNor MangNORMALIronppmASTM DS185(m)>1001ChromiumppmASTM DS185(m)>200NickelppmASTM DS185(m)>40SilverppmASTM DS185(m)>300LeadppmASTM DS185(m)>40<1LeadppmASTM DS185(m)>150VanadiumppmASTM DS185(m)>201SiliconppmASTM DS185(m)>201SiliconppmASTM DS185(m)>201WaterwC Method>51.0GlycolwC Method>5.2NEGSolifationAbs/rmASTM DS185(m)>2.01SolifationAbs/rmASTM DS185(m)>2.01SolifationAbs/rmASTM DS185(m)>2.01SolifationAbs/r | Sample Date | | Client Info | | 10 May 2024 | | |
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| Filter Changed Client Info Not Change Sample Status Client Info NORMAL Iron ppm ASTM D5185(m) >100 1 Chromium ppm ASTM D5185(m) >20 0 Nickel ppm ASTM D5185(m) >4 0 Nickel ppm ASTM D5185(m) >4 0 Silver ppm ASTM D5185(m) >3 0 Aluminum ppm ASTM D5185(m) >30 27 Qopper ppm ASTM D5185(m) >15 0 Vanadium ppm ASTM D5185(m) >20 1 Silicon ppm ASTM D5185(m) >20 1 | Filter Age | hrs | Client Info | | 0 | | |
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| Nickel ppm ASTM D5185(m) >4 0 Titanium ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) >3 0 Aluminum ppm ASTM D5185(m) >20 <1 Lead ppm ASTM D5185(m) >40 <1 Copper ppm ASTM D5185(m) >40 <1 Vanadium ppm ASTM D5185(m) >15 0 Silicon ppm ASTM D5185(m) >25 1 Silicon ppm ASTM D5185(m) >20 1 Water vC Method >.2 NEG Glycol WC Method >.2 NEG Soot % % ASTM D7844* >3 0 | - | | () | | | | |
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| Aluminum ppm ASTM D5185(m) >20 <1 | | | | <u>_3</u> | - | | |
| Lead ppm ASTM D5185(m) >40 <1 | | | () | | - | | |
| Copper pp ASTM D5185(m) >330 27 Tin ppm ASTM D5185(m) >15 0 Vanadium ppm ASTM D5185(m) >15 0 Silicon ppm ASTM D5185(m) >25 1 Potassium ppm ASTM D5185(m) >20 1 Fuel WC Method >5 <1.0 Glycol WC Method >0.2 NEG Soot % % ASTM D7844* >3 0 Nitration Abs/cm ASTM D7624* >0.2 NEG Sulfation Abs/.1mm ASTM D7141* >30 17.4 Boron ppm ASTM D5185(m) >0.2 NEG Barium ppm | | | | | | | |
| Tin ppm ASTM D5185(m) >15 0 Vanadium ppm ASTM D5185(m) >25 0 Silicon ppm ASTM D5185(m) >25 1 Potassium ppm ASTM D5185(m) >20 1 Fuel WC Method >5 <1.0 | | | . , | | | | |
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| Silicon ppm ASTM D5185(m) >25 1 Potassium ppm ASTM D5185(m) >20 1 Fuel WC Method >5 <1.0 Water WC Method >0.2 NEG Glycol WC Method >0.2 NEG Soot % % ASTM D7844* >3 0 Nitration Abs/cm ASTM D7624* >20 5.3 Sulfation Abs/.1mm ASTM D7154* >30 17.4 Sulfation Abs/.1mm ASTM D5185(m) >216 2 Sodium ppm ASTM D5185(m) >216 2 Boron ppm ASTM D5185(m) >216 2 Malganese ppm ASTM D5185(m) 100 Malganese ppm ASTM D5185(m) 100 Magnesium </th <th></th> <th></th> <th> ()</th> <th>210</th> <th>-</th> <th></th> <th></th> | | | () | 210 | - | | |
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| Boron ppm ASTM D5185(m) 250 258 Barium ppm ASTM D5185(m) 10 0 Molybdenum ppm ASTM D5185(m) 100 56 Manganese ppm ASTM D5185(m) 100 56 Magnesium ppm ASTM D5185(m) 450 357 Calcium ppm ASTM D5185(m) 3000 1351 Phosphorus ppm ASTM D5185(m) 1150 953 Zinc ppm ASTM D5185(m) 1350 1086 Sulfur ppm ASTM D5185(m) 4250 2493 Oxidation Abs/.1mm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | Sodium | nom | ASTM D5185(m) | >216 | 2 | | |
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| Molybdenum ppm ASTM D5185(m) 100 56 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) 450 357 Calcium ppm ASTM D5185(m) 3000 1351 Phosphorus ppm ASTM D5185(m) 1150 953 Zinc ppm ASTM D5185(m) 1350 1086 Sulfur ppm ASTM D5185(m) 4250 2493 Oxidation Abs/.1mm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | | | | | | | |
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| Calcium ppm ASTM D5185(m) 3000 1351 Phosphorus ppm ASTM D5185(m) 1150 953 Zinc ppm ASTM D5185(m) 1350 1086 Sulfur ppm ASTM D5185(m) 4250 2493 Oxidation Abs/.1mm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | - | | () | 450 | | | |
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| Zinc ppm ASTM D5185(m) 1350 1086 Sulfur ppm ASTM D5185(m) 4250 2493 Oxidation Abs/.1mm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | | | | | | | |
| Sulfur ppm ASTM D5185(m) 4250 2493 Oxidation Abs/.tmm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | | | . , | | | | |
| Oxidation Abs/.1mm ASTM D7414* >25 13.0 Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | - | | | | | | |
| Base Number (BN) mg KOH/g ASTM D2896* 8.5 9.14 | | | | | | | |
| | Base Number (BN) | mg KOH/g | ASTM D2896* | | | | |
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Contact/Location: Service Manager - GEN134NOR





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