

Machine Id LSTK61 Component Diesel Engine DIESEL ENGINE OIL SAE 40 (--- GAL)

| | | Sample Numb |
|---|--|---------------|
| component make and model with your next sample. | Resample at the next service interval to monitor. Please specify the | Sample Date |
| | brand, type, and viscosity of the oil on your next sample. | Machine Age |
| | brand, type, and viscosity of the on on your next sample. | Oil Age |
| | | Filter Age |
| | | Oil Changed |
| | | Filter Change |
| | | Sample Statu |
| | | |

WEAR

All component wear rates are normal.

RECOMMENDATION

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.

| Sample Number Client Info SBP0005240 SBP0011004 Sample Date Client Info 12 Jan 2024 29 Sep 2023 Machine Age mls Client Info 12000 0 Oil Age mls Client Info 12000 0 Filter Age Client Info Not Changd Not Changd Filter Changed Client Info NAK N/A Sample Status Client Info N/A N/A Sample Status Client Info N/A N/A Kickel ppm ASTM D5185m >100 12 22 Nickel ppm ASTM D5185m >4 <-1 <-1 Aluminum ppm ASTM D5185m >40 1 0 Aluminum ppm ASTM D5185m >30 1 4 Vaaduium ppm ASTM D5185m >330 1 | | | | | | | | |
|---|---|------------------|----------|-------------|-----------|-------------|-------------|----------|
| Sample Number Client Info SBP006240 SBP0001004 Sample Date Client Info 12 Jan 2024 29 Sep 2023 Machine Age mls Client Info 12000 0 Oil Age mls Client Info Not Changd Not Changd Filter Changed Client Info NA NA NA Sample Status Client Info NA NA Iron ppm ASTM D5185n >100 12 22 Nickel ppm ASTM D5185n >20 <1 <1 Silver ppm ASTM D5185n >20 3 7 Aluminum ppm ASTM D5185n >20 3 1 Vanadium ppm ASTM D5185n >20 3 1 Vanadium ppm ASTM D5185n >20 1 | | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine Age mis Client Info 12000 0 Oil Age mis Client Info 12000 0 Oil Changed Client Info NC1Chang NC1Chang NC1Chang NC1Chang Filter Changed Client Info NC1Chang NC1Chang NC1Chang Chromium ppm ASTM D5185m >100 12 22 Nickel ppm ASTM D5185m >20 <1 | | Sample Number | | Client Info | | SBP0006240 | , | 5 |
| Machine Age mis Client Into 12000 0 Oil Age mis Client Info 0 Filter Age mis Client Info Not Changd Oil Changed Client Info N/A N/A N Sample Status NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >20 <1 <1 Silver ppm ASTM D5185m >3 0 <1 Lead ppm ASTM D5185m >330 1 4 Vanadium ppm ASTM D5185m >330 1 <1 Valed scalar 'Visual NONE NONE NONE Valed scalar 'Visual | | Sample Date | | Client Info | | 12 Jan 2024 | 29 Sep 2023 | |
| Filter Age mis Client Info Not Changed Processor Iron ppm ASTM D5185m >100 12 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | е | Machine Age | mls | Client Info | | 12000 | 0 | |
| Oil Changed Filter Changed Client Info Not Changed N/A Not Changed N/A Not Changed N/A | | Oil Age | mls | Client Info | | 12000 | 0 | |
| Oil Changed Client Info Not Changd N/A N/A Filter Changed Client Info I/A N/A N/A N/A Sample Status Visual NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >20 3 7 Aluminum ppm ASTM D5185m >30 0 <1 Aluminum ppm ASTM D5185m >30 1 4 Aduminum ppm ASTM D5185m >15 1 <1 Vanadium ppm ASTM D5185m >15 0 0 Vanadium ppm ASTM D5185m >25 5 6 Vatar visual NONE NONE NONE | | Filter Age | mls | Client Info | | 0 | 0 | |
| Filter Changed Sample Status Client Info N/A N/A N/A | | • | | Client Info | | Not Changd | Not Changd | |
| Iron ppm ASTM D5185m >100 12 22 Chromium ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m <20 <1 <1 Titanium ppm ASTM D5185m <1 0 Aluminum ppm ASTM D5185m >30 <11 0 Lead ppm ASTM D5185m >40 1 0 Vanadium ppm ASTM D5185m >15 1 <1 Vanadum ppm ASTM D5185m >15 1 <1 Vanadum ppm ASTM D5185m >10 0 0 Vellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 7 22 Fuel WC Method >0.2 NE | | • | | Client Info | | U U | Ŭ | |
| Chromium ppm ASTM D5185m >20 <1 | | 0 | | | | | NORMAL | |
| Chromium ppm ASTM D5185m >20 <1 | | Iron | maa | ASTM D5185m | >100 | 12 | 22 | |
| Nickel ppm ASTM D5185m >44 <1 | | - | | | | | | |
| Titanium ppm ASTM D5185m < | | | | | | | | |
| Silver ppm ASTM D5185m >3 0 <1 | | | | | | | | |
| Aluminum ppm ASTM D5185m >20 3 7 Lead ppm ASTM D5185m >40 1 0 Copper ppm ASTM D5185m >330 1 4 Vanadium ppm ASTM D5185m >15 1 <1 White Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Solt % % *ASTM D7844 >3 0.5 0.5 Sulfation Abs/cm< *ASTM D7624 >20 7.5 7.8 Solt % % *ASTM D7624 >20 7.5 7.8 | | | | | >3 | | - | |
| Lead ppm ASTM D5185m >40 1 0 Copper ppm ASTM D5185m >330 1 4 Tin ppm ASTM D5185m >15 1 <1 Vanadium ppm ASTM D5185m 0 0 0 White Metal scalar 'Visual NONE NONE NONE Yellow Metal scalar 'Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Soot % % 'ASTM D7824 >3 0.5 0.5 Sulfation Abs/tm "ASTM D7624 >30 19.7 20.0 Sand/Dirt scalar 'Visual NONE NONE | | | | | | - | | |
| Copper ppm ASTM D5185m >330 1 4 Tin ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 0 0 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Soot % % *ASTM D71844 >3 0.5 0.5 Soit * scalar *Visual NONE NONE NONE Sulfation Abs/.1mm *ASTM D715<>30 19.7 20.0 Sadd/Dirt scalar *Visual NONE NONE Appearance </th <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> | | | | | | - | | |
| Tin ppm ASTM D5185m >15 1 <1 | | | | | | - | - | |
| Vanadium ppm ASTM D5185m 0 0 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >25 5 6 Potassium ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Glycol WC Method >0.5 NEG NEG Soot % % *ASTM D7844 >3 0.5 0.5 Sulfation Abs/.tmm<*ASTM D7624 >20 7.5 7.8 Sulfation Abs/.tmm<*ASTM D715 >30 19.7 20.0 Sadr/Dirt scalar *Visual NONE NONE NONE Sadr/Dirt scalar *Visual NORE NORML | | | | | | | | |
| White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >25 5 6 Potassium ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Soot % % *ASTM D7844 >3 0.5 0.5 Nitration Abs/.mm *ASTM D7624 >20 7.5 7.8 Sulfation Abs/.mm *ASTM D7624 >20 7.5 7.8 Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Appearance scalar *Visual N | | | | | 210 | | | |
| Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >25 5 6 Potassium ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Glycol WC Method >0.2 NEG NEG Soot % % *ASTM D7844 >3 0.5 0.5 Nitration Abs/.m *ASTM D7624 >20 7.5 7.8 Sulfation Abs/.m *ASTM D7624 >20 7.5 7.8 Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML NORML NORML Appearance scalar *Visual NORML NORML | | | | | NONE | - | - | |
| Silicon ppm ASTM D5185m >25 5 6 Potassium ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Glycol WC Method >0.2 NEG NEG Soot % % *ASTM D7844 >3 0.5 0.5 Sulfation Abs/cm *ASTM D7624 >20 7.5 7.8 Sulfation Abs/cm *ASTM D7415 >30 19.7 20.0 Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NORML Sand/Dirt scalar *Visual NOR NORML NORML Appearance scalar *Visual NOR NORM < | | | | | | - | - | |
| Potassium ppm ASTM D5185m >20 7 22 Fuel WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Glycol WC Method >0.2 NEG NEG Soot % % *ASTM D7844 >3 0.5 0.5 Nitration Abs/.mm *ASTM D7624 >20 7.5 7.8 Sulfation Abs/.mm *ASTM D7415 >30 19.7 20.0 Sand/Dirt scalar *Visual NONE NONE NORML Appearance scalar *Visual NORML | | | 304141 | visual | NONE | | NONE | |
| Fuel WC Method >5 <1.0 | | Silicon | ppm | ASTM D5185m | >25 | 5 | 6 | |
| WaterWC Method>0.2NEGNEGGlycolWC MethodNEGNEGSoot %%*ASTM D7844>30.50.5NitrationAbs/cm*ASTM D7624>207.57.8SulfationAbs/.1mm*ASTM D7624>3019.720.0SulfationAbs/.1mm*ASTM D7415>3019.720.0Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNORKNORKNOREAppearancescalar*VisualNORKNORMLNORMLOdorscalar*VisualNORMNORMLNORMLBoronppmASTM D5185m>21632BariumppmASTM D5185m2500<1MaganeseppmASTM D5185m1000MagnesiumppmASTM D5185m300010221055PhosphorusppmASTM D5185m150110191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m135012031290SulfurppmASTM D5185m135012031290Sulfurppm | | Potassium | ppm | ASTM D5185m | >20 | 7 | 22 | |
| GlycolWC MethodNEGNEGSoot %%*ASTM D7844>30.50.5NitrationAbs/cm*ASTM D7624>207.57.8SulfationAbs/tmm*ASTM D715>3019.720.0Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLBoronppmASTM D5185m2500<11BariumppmASTM D5185m1006257ManganeseppmASTM D5185m300010221055MagnesiumppmASTM D5185m15010191009PhosphorusppmASTM D5185m135012031290ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906SulfurppmASTM D5185m425028272906SulfurppmASTM D5185m425028272906SulfurppmASTM D5185m425028272906Sulfu | | Fuel | | WC Method | >5 | <1.0 | <1.0 | |
| Soot % % *ASTM D7844 >3 0.5 0.5 Nitration Abs/cm *ASTM D7624 >20 7.5 7.8 Sulfation Abs/.1mm *ASTM D7415 >30 19.7 20.0 Silt scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Odor scalar *Visual NORML NORML NORML Boron ppm ASTM D5185m 250 0 <1 Malganese ppm< | | Water | | WC Method | >0.2 | NEG | NEG | |
| NitrationAbs/cm*ASTM D7624>207.57.8SulfationAbs/.1mm*ASTM D7415>3019.720.0Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLBoronppmASTM D5185m>21632BariumppmASTM D5185m1000ManganeseppmASTM D5185m100622577MagnesiumppmASTM D5185m300010221055PhosphorusppmASTM D5185m300010221055ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOHlgASTM D28968.58.18.3 | | Glycol | | WC Method | | NEG | NEG | |
| SulfationAbs/.1mm*ASTM D7415>3019.720.0Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGBoronppmASTM D5185m>21632BariumppmASTM D5185m1000ManganeseppmASTM D5185m100622577MagnesiumppmASTM D5185m450926983PhosphorusppmASTM D5185m115010191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Soot % | % | *ASTM D7844 | >3 | 0.5 | 0.5 | |
| Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGBoronppmASTM D5185m2500<1<BariumppmASTM D5185m10000MalganeseppmASTM D5185m10062577MagnesiumppmASTM D5185m450926983PhosphorusppmASTM D5185m115010191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Nitration | Abs/cm | *ASTM D7624 | >20 | 7.5 | 7.8 | |
| Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGBoronppmASTM D5185m2500<1BariumppmASTM D5185m1006257ManganeseppmASTM D5185m1006257MagnesiumppmASTM D5185m450926983CalciumppmASTM D5185m115010191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 19.7 | 20.0 | |
| Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*Visual>0.2NEGNEGEmulsified Waterscalar*Visual>0.2NEGNEGBoronppmASTM D5185m2500<1<BariumppmASTM D5185m1000MalganeseppmASTM D5185m1006257MagnesiumppmASTM D5185m450926983PhosphorusppmASTM D5185m300010221055ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Silt | scalar | *Visual | NONE | NONE | NONE | |
| Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m>21632BoronppmASTM D5185m2500<1BariumppmASTM D5185m1000MolybdenumppmASTM D5185m1006257ManganeseppmASTM D5185m450926983CalciumppmASTM D5185m300010221055PhosphorusppmASTM D5185m135012031290ZincppmASTM D5185m425028272906SulfurppmASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Debris | scalar | *Visual | NONE | NONE | NONE | |
| Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m>21632BoronppmASTM D5185m2500<1BariumppmASTM D5185m1000MolybdenumppmASTM D5185m1006257ManganeseppmASTM D5185m450926983CalciumppmASTM D5185m300010221055PhosphorusppmASTM D5185m115010191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m425028272906OxidationAbs/.imm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| Odorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m>21632BoronppmASTM D5185m2500<1BariumppmASTM D5185m1000MalybdenumppmASTM D5185m10062577ManganeseppmASTM D5185m450926983MagnesiumppmASTM D5185m300010221055PhosphorusppmASTM D5185m115010191009ZincppmASTM D5185m135012031290SulfurppmASTM D5185m4250282729066OxidationAbs/.1mm*ASTM D7414>2514.815.4Base Number (BN)mg KOH/gASTM D28968.58.18.3 | | Appearance | scalar | *Visual | NORML | NORML | NORML | |
| Sodium ppm ASTM D5185m >216 3 2 Boron ppm ASTM D5185m 250 0 <1 Barium ppm ASTM D5185m 10 0 0 Malybdenum ppm ASTM D5185m 100 62 57 Manganese ppm ASTM D5185m 100 62 983 Magnesium ppm ASTM D5185m 450 926 983 Calcium ppm ASTM D5185m 3000 1022 1055 Phosphorus ppm ASTM D5185m 1150 1019 1009 Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 29066 Oxidation Abs/.1mm< *ASTM D7414 >25 14.8 15.4 | | | scalar | *Visual | NORML | NORML | NORML | |
| Boron ppm ASTM D5185m 250 0 <1 | | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | |
| Boron ppm ASTM D5185m 250 0 <1 | | | | | | | | |
| Barium ppm ASTM D5185m 10 0 0 Molybdenum ppm ASTM D5185m 100 62 57 Manganese ppm ASTM D5185m 100 62 57 Magnesium ppm ASTM D5185m 450 926 983 Calcium ppm ASTM D5185m 3000 1022 1055 Phosphorus ppm ASTM D5185m 3000 1022 1059 Zinc ppm ASTM D5185m 1150 1019 1009 Sulfur ppm ASTM D5185m 1350 1203 12900 Oxidation Abs/.1mm *ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | | ppm | | | | | |
| Molybdenum ppm ASTM D5185m 100 62 57 Manganese ppm ASTM D5185m 100 <1 <1 < Magnesium ppm ASTM D5185m 450 926 983 Calcium ppm ASTM D5185m 3000 1022 1055 Phosphorus ppm ASTM D5185m 1150 1019 1009 Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm<*ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | | ppm | | | | | |
| Manganese ppm ASTM D5185m < | | | | | | | | |
| Magnesium ppm ASTM D5185m 450 926 983 Calcium ppm ASTM D5185m 3000 1022 1055 Phosphorus ppm ASTM D5185m 1150 1019 1009 Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm *ASTM D714 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | | ppm | | 100 | 62 | | |
| Calcium ppm ASTM D5185m 3000 1022 1055 Phosphorus ppm ASTM D5185m 1150 1019 1009 Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm *ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | 0 | | | | | | |
| Phosphorus ppm ASTM D5185m 1150 1019 1009 Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm *ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | 0 | | | | | | |
| Zinc ppm ASTM D5185m 1350 1203 1290 Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm *ASTM D7141 >25 14.8 15.4 Base Number (BN) mg K0H/g ASTM D2896 8.5 8.1 8.3 | | | | | | | | |
| Sulfur ppm ASTM D5185m 4250 2827 2906 Oxidation Abs/.1mm *ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | - | ppm | | | | | |
| Oxidation Abs/.1mm *ASTM D7414 >25 14.8 15.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | | | | | | | |
| Base Number (BN) mg KOH/g ASTM D2896 8.5 8.1 8.3 | | | | | | | | |
| | | | | | | | | |
| Visc @ 100°C cSt ASTM D445 14.4 13.7 13.6 | | | | | | | | |
| | | Visc @ 100°C | cSt | ASTM D445 | 14.4 | 13.7 | 13.6 | |

NORMAL

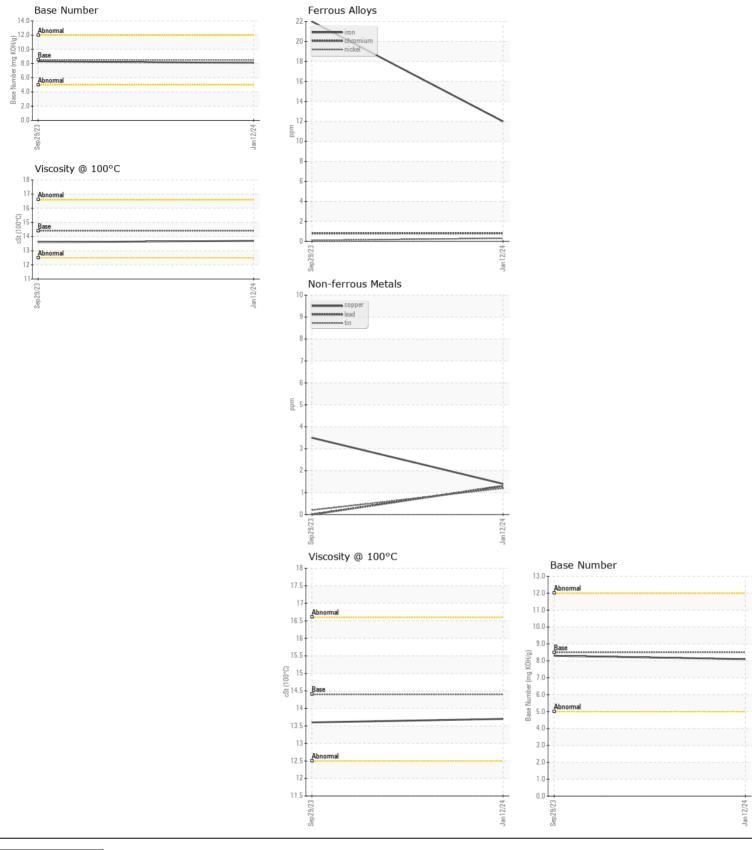
NORMAL

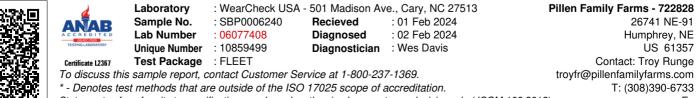
NORMAL

WEAR

CONTAMINATION

FLUID CONDITION





Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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