

Machine Id SZLG730080 Component Diesel Engine Fluid 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. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

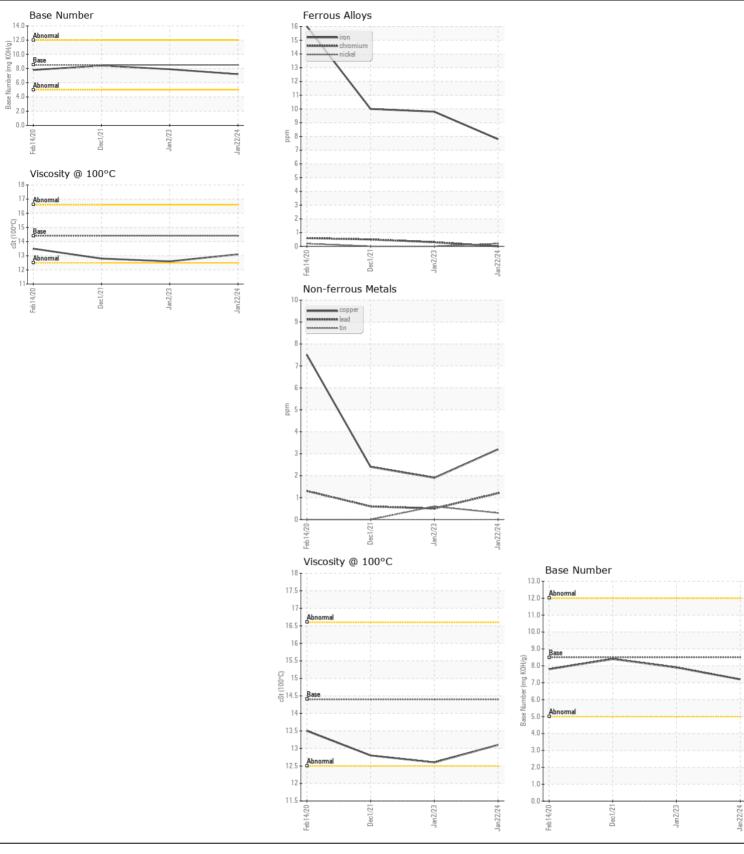
CONTAMINATION

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.

| Test UOM Method LimitAn Current History1 History1 Sample Number Client Info WC0869852 WC0731468 WC0641914 Sample Date Client Info 22 Jan 2024 02 Jan 2023 01 Dec 2021 Machine Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A Iron ppm ASTM 5185m >100 8 10 10 Chromium ppm ASTM 5185m >4 <1 0 0 Nickel ppm ASTM 5185m >3 0 0 <1 <1 Aluminum ppm ASTM 5185m >30 0 0 <1 <1 <1 0 <1 Vanadium ppm ASTM 5185m >30 3 2 2 2 2 1 0 <1 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | | | | | | |
|--|------------------|----------|-------------|-------------|-------------|-------------|-----------|
| Sample Date Client Info 22 Jan 2024 02 Jan 2023 01 Dec 2021 Machine Age hrs Client Info 6308 4670 3081 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A Filter Changed Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >20 3 2 2 Itanium ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >330 3 2 2 Tin ppm ASTM D5185m >45 1 <1 0 Vanadium ppm ASTM D5185m >25 | | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine Age Oil Age Filter Age Oil Changed Iss Client Info 6308 4670 3081 Oil Changed Client Info 0 0 0 0 Sample Status Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A Iron ppm ASTM D5185m >200 0 <1 <1 Nickel ppm ASTM D5185m >200 0 <1 <1 Nickel ppm ASTM D5185m >20 0 <1 <1 Silver ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >30 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th></th> <th></th> <th></th> <th></th> <th>WC0868952</th> <th>WC0731468</th> <th>WC0641914</th> | | | | | WC0868952 | WC0731468 | WC0641914 |
| Oil Age hrs Client Info 0 0 0 0 Filter Age hrs Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >4 <1 0 0 <1 Silver ppm ASTM D5185m >20 3 2 2 2 Lead ppm ASTM D5185m >30 3 2 2 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>22 Jan 2024</th><th>02 Jan 2023</th><th></th></td<> | Sample Date | | Client Info | | 22 Jan 2024 | 02 Jan 2023 | |
| Filter Age hrs Client Info N/A N/A N/A N/A Filter Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >30 0 <1 <1 <1 Silver ppm ASTM D5185m >40 1 <1 <1 <1 <1 <1 <1 <1 <1 0 <1 NONE NONE< | - | hrs | Client Info | | 6308 | 4670 | 3081 |
| Oil Changed Client Info N/A N/A N/A N/A Filter Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >3 0 0 <1 Aluminum ppm ASTM D5185m >30 0 <1 <1 Copper ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >30 3 2 2 Visual NONE NONE NONE NONE NONE Veltow Metal scalar *Visual NONE NONE NONE NONE Valico ppm ASTM D5185m >25 5 6 6 | - | hrs | | | - | 0 | |
| Filter Changed Sample Status Client Info N/A | Filter Age | hrs | Client Info | | 0 | 0 | ÷ |
| Sample Status NORMAL NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >4 <1 0 0 <1 Silver ppm ASTM D5185m >20 3 2 2 2 Lead ppm ASTM D5185m >30 1 <1 <1 <1 Copper ppm ASTM D5185m >30 3 2 2 2 Tin ppm ASTM D5185m >30 3 2 2 1 Varadium ppm ASTM D5185m >25 5 6 6 6 Velow Metal scalar *Visual NONE NONE NONE NONE Silicon ppm ASTM D7642 >20 1 0 0 10 10 10 | Oil Changed | | Client Info | | N/A | N/A | N/A |
| Iron ppm ASTM D5185m >100 8 10 10 Chromium ppm ASTM D5185m >20 0 <1 <1 Nickel ppm ASTM D5185m >4 <1 0 0 Titanium ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >30 1 <1 <1 0 Vanadium ppm ASTM D5185m >30 3 2 2 2 Tin ppm ASTM D5185m >15 <1 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 <th>Filter Changed</th> <th></th> <th>Client Info</th> <th></th> <th>N/A</th> <th>N/A</th> <th>N/A</th> | Filter Changed | | Client Info | | N/A | N/A | N/A |
| Chromium ppm ASTM D5185m >20 0 <1 | Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Chromium ppm ASTM D5185m >20 0 <1 | | | | 400 | • | 40 | 40 |
| Nickel ppm ASTM D5185m >4 <1 | - | | | | - | | |
| Titanium ppm ASTM D5185m 0 0 <1 | | | | | - | | |
| Silver ppm ASTM D5185m >3 0 0 <1 | | | | >4 | | | |
| Aluminum ppm ASTM D5185m >20 3 2 2 Lead ppm ASTM D5185m >40 1 <1 <1 <1 Copper ppm ASTM D5185m >330 3 2 2 Tin ppm ASTM D5185m >15 <1 <1 0 <1 White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Silicon ppm ASTM D5185m >25 5 6 6 6 Potassium ppm ASTM D5185m >20 1 0 0 1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 S0 | | | | 0 | - | | |
| Lead ppm ASTM D5185m >40 1 <1 | | | | | - | | |
| Copper ppm ASTM D5185m >330 3 2 2 Tin ppm ASTM D5185m >15 <1 <1 0 Vanadium ppm ASTM D5185m <1 0 <1 0 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Silicon ppm ASTM D5185m >20 1 0 0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Soto % % 'ASTM D7844<>3 0.2 0.2 0.2 Nitration Abs/Imm 'ASTM D7415<>30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE Appearance | | | | | - | | |
| TinppmASTM D5185m>15<1 | | | | | - | | |
| Vanadium ppm ASTM D5185m <1 | | | | | - | | |
| White Metal Yellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>25566PotassiumppmASTM D5185m>20100FuelWC Method>5<1.0<1.0<1.0WaterWC Method>0.2NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGSoot %%*ASTM D7844>30.20.20.2NitrationAbs/cm*ASTM D7644>207.36.77.4SulfationAbs/imm*ASTM D7844>3021.220.121.4Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLMolybdenumppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m442415482CalciumppmASTM D5185m3000150314751340PhosphorusppmASTM | | | | >15 | | | |
| Yellow Metal scalar *Visual NONE NONE NONE NONE Silicon ppm ASTM D5185m >25 5 6 6 Potassium ppm ASTM D5185m >20 1 0 0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7844 >3 0.2 0.2 0.2 Sulfation Abs/imm *ASTM D7844 >3 0.2 0.2 0.2 Sulfation Abs/imm *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NORL NORML NORML NORML NORML Odor scalar *Visual NORML< | | | | | | | |
| Silicon ppm ASTM D5185m >25 5 6 6 Potassium ppm ASTM D5185m >20 1 0 0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Soot % % "ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/.tmm "ASTM D7152 >30 21.2 20.1 21.4 Silt scalar "Visual NONE NONE NONE NONE NONE Debris scalar "Visual NONE NONE NONE NONE NONE Appearance scalar "Visual NORML NORML NORML NORML NORML Odor scalar "Visual NO2 NEG NEG NEG Sodium ppm ASTM D5185m | | | | | _ | | |
| Potassium ppm ASTM D5185m >20 1 0 0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7152 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NORH NORML NORML NORML NORML NORML Odo scalar *Visual | Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Potassium ppm ASTM D5185m >20 1 0 0 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method >0.2 NEG NEG NEG Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7152 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NORH NORML NORML NORML NORML NORML Odo scalar *Visual | Silicon | nom | ASTM D5185m | <u>\</u> 25 | 5 | 6 | 6 |
| Fuel WC Method >5 <1.0 | | | | | | | |
| Water WC Method >0.2 NEG NEG NEG NEG Glycol WC Method NEG NEG NEG NEG Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/.1mm *ASTM D7615 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML MORML NORML Str | | ppin | | | - | - | ÷ |
| Glycol WC Method NEG NEG NEG Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/cm *ASTM D7644 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORM NORML NORML NORML NORML Odor scalar *Visual NORM NORML NORML NORML NORML Odor scalar *Visual >0.2 NEG NEG NEG Sodium ppm ASTM D5185m >216 3 2 1 Boron ppm ASTM D5185m 100 0 0 0 Magnesium | | | | | | | |
| Soot % % *ASTM D7844 >3 0.2 0.2 0.2 Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/.tmm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/.tmm *ASTM D7415 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORM NORML NORML NORML Odor scalar *Visual NORM NORML NORML NORML Odor scalar *Visual NORM NORML NORML NORML Odor scalar *Visual NOR NORML NORML NORML Boron p | | | | 20.2 | | | |
| Nitration Abs/cm *ASTM D7624 >20 7.3 6.7 7.4 Sulfation Abs/.tmm *ASTM D7415 >30 21.2 20.1 21.4 Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NO | , | 0/2 | | ~3 | | | |
| SulfationAbs/.1mm*ASTM D7415>3021.220.121.4Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m1009184101ManganeseppmASTM D5185m450442415482CalciumppmASTM D5185m11501107994641ZincppmASTM D5185m135013041188813SulfurppmASTM D5185m4250330038402150OxidationAbs/.1mm*ASTM D7414>2516.414.317Base Number (BN)mg KOHgASTM D28968.57.27.98.4 | | | | | - | | |
| Siltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m>216321BoronppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m1009184101ManganeseppmASTM D5185m450442415482CalciumppmASTM D5185m11501107994641ZincppmASTM D5185m135013041188813SulfurppmASTM D5185m4250330038402150OxidationAbs/.tmm*ASTM D7414>2516.414.317Base Number (BN)mg KOHgASTM D28968.57.27.98.4 | | | | | - | | |
| Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m>216321BoronppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m1009184101ManganeseppmASTM D5185m450442415482CalciumppmASTM D5185m11501107994641ZincppmASTM D5185m135013041188813SulfurppmASTM D5185m4250330038402150OxidationAbs/.tmm*ASTM D7414>2516.414.317Base Number (BN)mg KOH/gASTM D28968.57.27.98.4 | | | | | | | |
| Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m>216321BoronppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m1009184101ManganeseppmASTM D5185m450442415482CalciumppmASTM D5185m3000150314751340PhosphorusppmASTM D5185m135013041188813SulfurppmASTM D5185m4250330038402150OxidationAbs/1mm*ASTM D7414>2516.414.317Base Number (BN)mg KOHgASTM D28968.57.27.98.4 | | | | | _ | | |
| Appearancescalar*VisualNORML< | | | | | | | |
| Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m>216321BoronppmASTM D5185m250356402305BariumppmASTM D5185m10000MolybdenumppmASTM D5185m1009184101ManganeseppmASTM D5185m450442415482CalciumppmASTM D5185m11501107994641ZincppmASTM D5185m135013041188813SulfurppmASTM D5185m4250330038402150OxidationAbs/.imm*ASTM D7414>2516.414.317Base Number (BN)mg KOH/gASTM D28968.57.27.98.4 | | | | | | | |
| Emulsified Water scalar *Visual >0.2 NEG NEG NEG Sodium ppm ASTM D5185m >216 3 2 1 Boron ppm ASTM D5185m 250 356 402 305 Barium ppm ASTM D5185m 10 0 0 0 Molybdenum ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1350 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 1250 3300 3840 2150 Oxidation Abs/.imm<*ASTM D7414 | | | | | | | |
| Sodium ppm ASTM D5185m >216 3 2 1 Boron ppm ASTM D5185m 250 356 402 305 Barium ppm ASTM D5185m 10 0 0 0 Molybdenum ppm ASTM D5185m 100 91 84 101 Manganese ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1350 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm<*ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 | | | | | - | | |
| Boron ppm ASTM D5185m 250 356 402 305 Barium ppm ASTM D5185m 10 0 0 0 Molybdenum ppm ASTM D5185m 100 91 84 101 Manganese ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1350 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm<*ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | | Journal | | 20.L | | NEG | NEG |
| Barium ppm ASTM D5185m 10 0 0 0 Molybdenum ppm ASTM D5185m 100 91 84 101 Manganese ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1150 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Sodium | ppm | ASTM D5185m | >216 | 3 | 2 | 1 |
| Barium ppm ASTM D5185m 10 0 0 0 Molybdenum ppm ASTM D5185m 100 91 84 101 Manganese ppm ASTM D5185m 100 91 84 101 Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1150 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Boron | ppm | ASTM D5185m | 250 | 356 | 402 | 305 |
| Manganese ppm ASTM D5185m <1 | Barium | ppm | ASTM D5185m | 10 | 0 | 0 | 0 |
| Magnesium ppm ASTM D5185m 450 442 415 482 Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1150 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Molybdenum | ppm | ASTM D5185m | 100 | 91 | 84 | 101 |
| Calcium ppm ASTM D5185m 3000 1503 1475 1340 Phosphorus ppm ASTM D5185m 1150 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Phosphorus ppm ASTM D5185m 1150 1107 994 641 Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Magnesium | ppm | ASTM D5185m | 450 | 442 | 415 | 482 |
| Zinc ppm ASTM D5185m 1350 1304 1188 813 Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Calcium | ppm | ASTM D5185m | 3000 | 1503 | 1475 | 1340 |
| Sulfur ppm ASTM D5185m 4250 3300 3840 2150 Oxidation Abs/.tmm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Phosphorus | ppm | ASTM D5185m | 1150 | 1107 | 994 | 641 |
| Oxidation Abs/.1mm *ASTM D7414 >25 16.4 14.3 17 Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Zinc | ppm | ASTM D5185m | 1350 | 1304 | 1188 | 813 |
| Base Number (BN) mg KOH/g ASTM D2896 8.5 7.2 7.9 8.4 | Sulfur | ppm | ASTM D5185m | 4250 | 3300 | 3840 | 2150 |
| | Oxidation | Abs/.1mm | | | 16.4 | 14.3 | 17 |
| Visc @ 100°C cSt ASTM D445 14.4 13.1 / 12.6 12.8 | Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 7.2 | 7.9 | 8.4 |
| | Visc @ 100°C | cSt | ASTM D445 | 14.4 | 13.1 | 12.6 | 12.8 |



DOLE FRESH FRUIT Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0868952 Received : 26 Feb 2024 PO BOX 725, ATTN: MAINTENANCE AND REPAIR Lab Number : 06099656 : 27 Feb 2024 NEW CASTLE, DE Tested : 27 Feb 2024 - Wes Davis US 19720 Unique Number : 10897886 Diagnosed Test Package : FLEET Contact: LUIS LAPIERRE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. luis.lapierre@dole.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (302)652-6344 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (302)652-6061

É

Contact/Location: LUIS LAPIERRE - DOLWIL