

Machine Id JOHN DEERE 643L 1DW643LBCPL717913 Component Brake Fluid JOHN DEERE HY-GARD HYD/TRANS (--- QTS) RECOMMENDATION

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

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Metal levels are typical for a new component breaking in.

CONTAMINATION

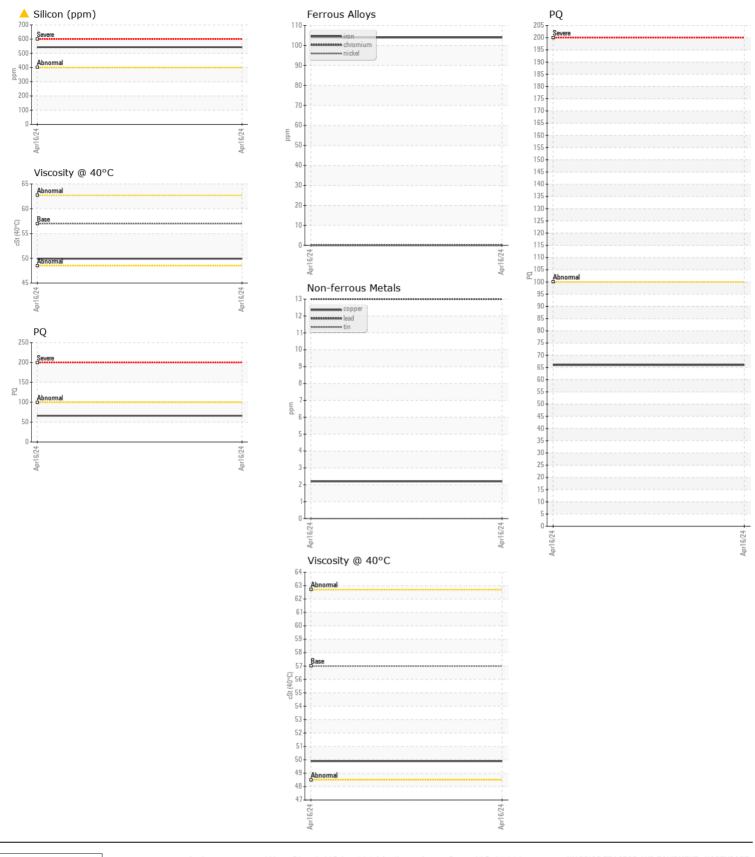
Elemental level of silicon (Si) above normal indicating ingress of seal material.

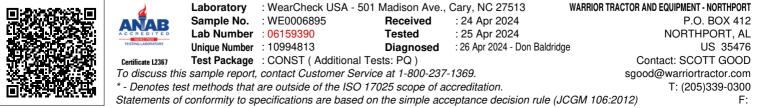
FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

| TestUOMMethodLimit/MCurrentHistory1History2Sample NumberClient Info16 Apr 2024Machine AgehrsClient Info0Machine AgehrsClient Info0Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoMot ChangedFilter ChangedClient InfoNot ChangedFilter ChangedASTM D5185S5104ForomiumppmASTM D5185>5114NickelppmASTM D5185>50SilverppmASTM D5185>6AluminumppmASTM D5185>6AluminumppmASTM D5185>1013AluminumppmASTM D5185>1013CopperppmASTM D5185>10VanadumppmASTM D5185>10VanadumppmASTM D5185>10SiliconppmASTM D5185>200VanadumppmASTM D5185>200Siliconppm | | | | | | | |
|--|------------------|--------|-------------|-----------|--------------|----------|----------|
| Sample DateClient Info16 Apr 2024Machine AgehrsClient Info546Filter AgehrsClient Info0Filter AgehrsClient Info0Filter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusABNORMALPQASTM D5185-SC1NickelppmASTM D5185-SC1NickelppmASTM D5185-SC1NickelppmASTM D5185-S0SilverppmASTM D5185-S0AluminumppmASTM D5185-S0AluminumppmASTM D5185-S0VanadiumppmASTM D5185-S0VanadiumppmASTM D5185-S0VanadiumppmASTM D5185-S0VanadiumppmASTM D5185-S0VanadiumppmASTM D5185-S0SiliconppmASTM D5185-S0 | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine AgehrsClient Info546Oil AgehrsClient Info0Filter AgehrsClient InfoChangedOil ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedFilter ChangedClient InfoNot ChangedSample StatusABNORMALPQASTM D5185m>50104PiconppmASTM D5185m>50NickelppmASTM D5185m>500SilverppmASTM D5185m>500AluminumppmASTM D5185m>1013AuminumppmASTM D5185m>1013VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>500SiliconppmASTM D5185m>500SiliconppmASTM D5185m>200SiliconppmASTM D5185m>200SiliconppmASTM D5185m>200SiliconppmASTM D5185m>200SodiumppmASTM D5185m>20 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>WE0006895</th><th></th><th></th></t<> | Sample Number | | Client Info | | WE0006895 | | |
| Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info Not Changd Filter Changed Client Info Not Changd Sample Status ABNORMAL PQ ASTM D5185m >350 104 Iron ppm ASTM D5185m >5 <1 Nickel ppm ASTM D5185m >5 0 Nickel ppm ASTM D5185m >8 3 Silver ppm ASTM D5185m >10 13 Aluminum ppm ASTM D5185m >50 0 Yanadium ppm ASTM D5185m >50 0 Yanadium ppm ASTM D5185m >400 0 Yanadium ppm <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>16 Apr 2024</th> <th></th> <th></th> | Sample Date | | Client Info | | 16 Apr 2024 | | |
| Filter Age hrs Client Info 0 Oil Changed Client Info Not Changed Filter Changed Client Info Not Changed Sample Status ASTM D8184 ABNORMAL PQ ASTM D8185 >350 104 Iron ppm ASTM D5185 >5 <<1 Nickel ppm ASTM D5185 >5 0 Silver ppm ASTM D5185 >50 0 Aluminum ppm ASTM D5185 >10 13 Vanadium ppm ASTM D5185 >10 Vanadium ppm ASTM D5185 >10 Valot scalar 'Visual NONE Vanadium pp | Machine Age | hrs | Client Info | | 546 | | |
| Oll ChangedClient InfoChangedFilter ChangedClient InfoNot ChangedSample StatusABNORMALPQASTM D818466IronppmASTM D8185>35<1IronppmASTM D5185>5<1NickelppmASTM D5185>5<1NickelppmASTM D5185>50NickelppmASTM D5185>50SilverppmASTM D5185>83PQppmASTM D5185>1013LeadppmASTM D5185>1013CopperppmASTM D5185>101VanadiumppmASTM D5185>10Vellow Metalscalar*VisualNONEYellow Metalscalar*VisualNONESiliconppmASTM D5185>400PotassiumppmASTM D5185>20SiliconppmASTM D5185>400Soliuscalar*VisualNONEAppearancescalar*VisualNONEAppearancescalar*VisualNORMBa | Oil Age | hrs | Client Info | | 0 | | |
| Filter ChangedClient InfoNot ChangedSample StatusABNORIMALABNORIMALPQASTM D8184530104IronppmASTM D8185>50104ChromiumppmASTM D51855>500NickelppmASTM D51855>500SilverppmASTM D51855>83AluminumppmASTM D51855>83AluminumppmASTM D51855>1013AluminumppmASTM D51855>1013VanadiumppmASTM D51855>1013VanadiumppmASTM D51855>101VanadiumppmASTM D51855>101VanadiumppmASTM D51855>200VanadiumppmASTM D51855>200VanadiumppmASTM D51855>200VanadiumppmASTM D51855>200VanadiumppmASTM D51855>200SiliconppmASTM D51855>200Soliconppm | Filter Age | hrs | Client Info | | 0 | | |
| Sample Status ASTM D8184 ABNORMAL PQ ASTM D8184 66 Iron ppm ASTM D5185 >350 104 Nickel ppm ASTM D5185 >5 <1 Nickel ppm ASTM D5185 >5 0 Nickel ppm ASTM D5185 >5 0 Silver ppm ASTM D5185 >5 0 Aluminum ppm ASTM D5185 >8 3 Aluminum ppm ASTM D5185 >10 13 Copper ppm ASTM D5185 >10 1 Vanadium ppm ASTM D5185 >5 0 Vanadum ppm ASTM D5185 >10 1 Vanadum ppm ASTM D5185 >20 0 Vanadum ppm ASTM D5185 >20 0 | Oil Changed | | Client Info | | Changed | | |
| PQASTM D8184666IronppmASTM D5185m>350104ChromiumppmASTM D5185m>5<1NickelppmASTM D5185m>50TitaniumppmASTM D5185m>50SilverppmASTM D5185m>50AluminumppmASTM D5185m>1013LeadppmASTM D5185m>1013CopperppmASTM D5185m>1013VanadiumppmASTM D5185m>101White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>200Yellow Metalscalar*VisualNONENONESiliconscalar*VisualNONENONESodiumppmASTM D5185m>200Appearancescalar*VisualNONENONEAppearancescalar*VisualNORMNORMLSodiumppmASTM D5185m0122Bariumppm< | Filter Changed | | Client Info | | Not Changd | | |
| Iron ppm ASTM D5185m >350 104 Chromium ppm ASTM D5185m >50 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >8 3 Aluminum ppm ASTM D5185m >10 13 Aluminum ppm ASTM D5185m >10 Copper ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >100 Vanadium ppm ASTM D5185m >400 Vanadium ppm ASTM D5185m >20 0 < | Sample Status | | | | ABNORMAL | | |
| Iron ppm ASTM D5185m >350 104 Chromium ppm ASTM D5185m >50 Nickel ppm ASTM D5185m 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >8 3 Aluminum ppm ASTM D5185m >10 13 Aluminum ppm ASTM D5185m >10 Copper ppm ASTM D5185m >50 0 Vanadium ppm ASTM D5185m >100 Vanadium ppm ASTM D5185m >400 Vanadium ppm ASTM D5185m >20 0 < | PQ | | ASTM D8184 | | 66 | | |
| Chromium ppm ASTM D5185m >50 <1 | | nnm | | >350 | | | |
| Nickel ppm ASTM D5185m > 0 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >8 3 Lead ppm ASTM D5185m >10 13 Copper ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 Valou NONE NONE Valow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >20 0 Silicon ppm ASTM D5185m >20 0 Sulfur scalar *Visual NONE NORE Sulfur scalar | | | | | - | | |
| Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m >8 3 Aluminum ppm ASTM D5185m >8 3 Aluminum ppm ASTM D5185m >10 13 Lead ppm ASTM D5185m >10 Copper ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 White Metal scalar 'Visual NONE NONE Yelow Metal scalar 'Visual NONE NONE Silicon ppm ASTM D5185m >20 0 Water WC Method >0.2 NEG Silit scalar 'Visual NONE NORE Debris scalar 'Visual NORM NORML - | | | | | | | |
| Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >8 3 Aluminum ppm ASTM D5185m >10 13 Lead ppm ASTM D5185m >10 2 Copper ppm ASTM D5185m >5 0 Tin ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m<>20 0 Water WC Method >0.2 NEG Silt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORH NORHL | | | | ~ 0 | | | |
| Aluminum ppm ASTM D5185m >8 3 Lead ppm ASTM D5185m >10 13 Copper ppm ASTM D5185m >10 2 Tin ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE ASTA Silicon ppm ASTM D5185m >400 ASTA Water WC Method >0.2 NEG Silit scalar *Visual NONE NONE Sand/Dirit scalar *Visual NORM NORML Appearance scalar *Visual NO | | | | | | | |
| Lead ppm ASTM D5185m >10 13 Copper ppm ASTM D5185m >150 2 Tin ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m >5 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >400 Water wC Method >0.2 NORE Silit scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Mody scalar *Visual NORM NORML Sand/Dirt <t< th=""><th></th><th></th><th></th><th>>8</th><th></th><th></th><th></th></t<> | | | | >8 | | | |
| CopperppmASTM D5185m>1502TinppmASTM D5185m>50VanadiumppmASTM D5185m>50White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONEMONESiliconppmASTM D5185m>400▲ 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSilitscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLSodiumppmASTM D5185m00BoronppmASTM D5185m00BariumppmASTM D5185m00MaganeseppmASTM D5185m145493MagnesiumppmASTM D5185m1290692PhosphorusppmASTM D5185m1290692MagnesiumppmASTM D5185m1290692MagnesiumppmASTM D5185m1290692Magnesium< | | | | | - | | |
| TinppmASTM D5185m>50VanadiumppmASTM D5185m0White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>400▲ 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSilitscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENORMLAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLSodiumppmASTM D5185m0122BoronppmASTM D5185m0273MagnesiumppmASTM D5185m145493MagnesiumppmASTM D5185m1290692PhosphorusppmASTM D5185m1640789SulfurppmASTM D5185m1640789 | - | | | | - | | |
| VanadiumppmASTM D5185m0White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>400 ^ 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSilitscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLAppearancescalar*VisualNORMLSodiumppmASTM D5185m00BoronppmASTM D5185m00MalganeseppmASTM D5185m00ManganeseppmASTM D5185m145493ManganeseppmASTM D5185m1220PhosphorusppmASTM D5185m1230PhosphorusppmASTM D5185m1230SulfurppmASTM D5185m1640789NonpensionppmASTM D5185m1230SolffurppmASTM D5185m1640789ManganeseppmASTM D5185m | | | | | | | |
| White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>400 ▲ 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSiltscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLSodiumppmASTM D5185m0BoronppmASTM D5185m00MalganeseppmASTM D5185m022ManganeseppmASTM D5185m145493MagnesiumppmASTM D5185m1290692PhosphorusppmASTM D5185m1640789ZincppmASTM D5185m1640789PhosphorusppmASTM D5185m1640789SollfurppmASTM D5185m1640789Magnesium< | | | | 20 | - | | |
| Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>400▲ 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m6122BoronppmASTM D5185m00MolybdenumppmASTM D5185m0273ManganeseppmASTM D5185m145493PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1640789SulfurppmASTM D5185m16402330 | | | | NONE | | | |
| SiliconppmASTM D5185m>400A 543PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMNORMLBoronppmASTM D5185m6122BariumppmASTM D5185m00MalganeseppmASTM D5185m02733MagnesiumppmASTM D5185m35701379PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1640789SulfurppmASTM D5185m1640789 | | | | | | | |
| PotassiumppmASTM D5185m>200WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLSodiumppmASTM D5185m0BoronppmASTM D5185m00BariumppmASTM D5185m0273ManganeseppmASTM D5185m145493MagnesiumppmASTM D5185m35701379PhosphorusppmASTM D5185m1640789SulfurppmASTM D5185m1640789 | | | | | | | |
| WaterWC Method>0.2NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLNORMLSodiumppmASTM D5185m6122BoronppmASTM D5185m0273MalganeseppmASTM D5185m145493MagnesiumppmASTM D5185m1379PhosphorusppmASTM D5185m1220692ZincppmASTM D5185m1640789ZincppmASTM D5185m1640789 | Silicon | ppm | ASTM D5185m | >400 | 4 543 | | |
| Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLCdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m6122BoronppmASTM D5185m00BariumppmASTM D5185m0273MalganeseppmASTM D5185m145493MagnesiumppmASTM D5185m14591379PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1640789SulfurppmASTM D5185m16402330 | Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLDdorscalar*VisualNORMLNORMLEmulsified Waterscalar*VisualNORMLMORMLSodiumppmASTM D5185m0122BoronppmASTM D5185m00BariumppmASTM D5185m0273MalganeseppmASTM D5185m1451493MagnesiumppmASTM D5185m1379PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1240789SulfurppmASTM D5185m16402330 | Water | | WC Method | >0.2 | NEG | | |
| Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m0BoronppmASTM D5185m6122BariumppmASTM D5185m00MolybdenumppmASTM D5185m0273MagnesiumppmASTM D5185m145493CalciumppmASTM D5185m35701379PhosphorusppmASTM D5185m1640789ZincppmASTM D5185m16402330 | Silt | scalar | *Visual | NONE | NONE | | |
| Appearancescalar*VisualNORMLNORMLInormalInormalInormalOdorscalar*VisualNORMLNORMLNORMLInormalInormalInormalEmulsified Waterscalar*Visual>0.2NEGInormalInormalInormalSodiumppmASTM D5185m0InormalInormalInormalInormalInormalBoronppmASTM D5185m00InormalInormalInormalBariumppmASTM D5185m00InormalInormalMolybdenumppmASTM D5185m0273InormalInormalManganeseppmASTM D5185m145493InormalInormalMagnesiumppmASTM D5185m1290692InormalInormalPhosphorusppmASTM D5185m1640789InormalInormalSulfurppmASTM D5185m16402330InormalInormal | Debris | scalar | *Visual | NONE | - | | |
| Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m0BoronppmASTM D5185m6122BariumppmASTM D5185m00MolybdenumppmASTM D5185m0273ManganeseppmASTM D5185m145493MagnesiumppmASTM D5185m1451379PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1640789SulfurppmASTM D5185m16402330 | Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Emulsified Waterscalar*Visual>0.2NEGSodiumppmASTM D5185m0BoronppmASTM D5185m6122BariumppmASTM D5185m00MolybdenumppmASTM D5185m0273ManganeseppmASTM D5185m145493MagnesiumppmASTM D5185m145493PhosphorusppmASTM D5185m1290692ZincppmASTM D5185m1640789SulfurppmASTM D5185m16402330 | Appearance | scalar | *Visual | NORML | NORML | | |
| Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 6 122 Barium ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 273 Manganese ppm ASTM D5185m 0 2 Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 3570 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 6 2330 | Odor | scalar | *Visual | NORML | NORML | | |
| Boron ppm ASTM D5185m 6 122 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 273 Manganese ppm ASTM D5185m 145 2 Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 1290 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 6 2330 | Emulsified Water | scalar | *Visual | >0.2 | NEG | | |
| Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 273 Manganese ppm ASTM D5185m 0 273 Magnesium ppm ASTM D5185m 145 2 Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 145 493 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 6 2330 | Sodium | ppm | ASTM D5185m | | 0 | | |
| Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 0 273 Manganese ppm ASTM D5185m 0 273 Magnesium ppm ASTM D5185m 145 2 Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 3570 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 6 2330 | Boron | ppm | ASTM D5185m | 6 | 122 | | |
| Manganese ppm ASTM D5185m 2 Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 3570 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 640 2330 | Barium | ppm | ASTM D5185m | 0 | 0 | | |
| Magnesium ppm ASTM D5185m 145 493 Calcium ppm ASTM D5185m 3570 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 640 2330 | Molybdenum | ppm | ASTM D5185m | 0 | 273 | | |
| Calcium ppm ASTM D5185m 3570 1379 Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 1640 2330 | Manganese | ppm | ASTM D5185m | | 2 | | |
| Phosphorus ppm ASTM D5185m 1290 692 Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m C 2330 | Magnesium | ppm | ASTM D5185m | 145 | 493 | | |
| Zinc ppm ASTM D5185m 1640 789 Sulfur ppm ASTM D5185m 0 2330 | Calcium | ppm | ASTM D5185m | 3570 | 1379 | | |
| Sulfur ppm ASTM D5185m 2330 | Phosphorus | ppm | ASTM D5185m | 1290 | 692 | | |
| | Zinc | ppm | ASTM D5185m | 1640 | 789 | | |
| Visc @ 40°C cSt ASTM D445 57.0 49.9 | Sulfur | ppm | ASTM D5185m | | 2330 | | |
| | Visc @ 40°C | cSt | ASTM D445 | 57.0 | 49.9 | | |

Contact/Location: SCOTT GOOD - WARNOR





Contact/Location: SCOTT GOOD - WARNOR Page 2 of 2