

S9000 Machine Id BOGE 5173011 - AAGARD ALEXANDRIA MN Component Compressor

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

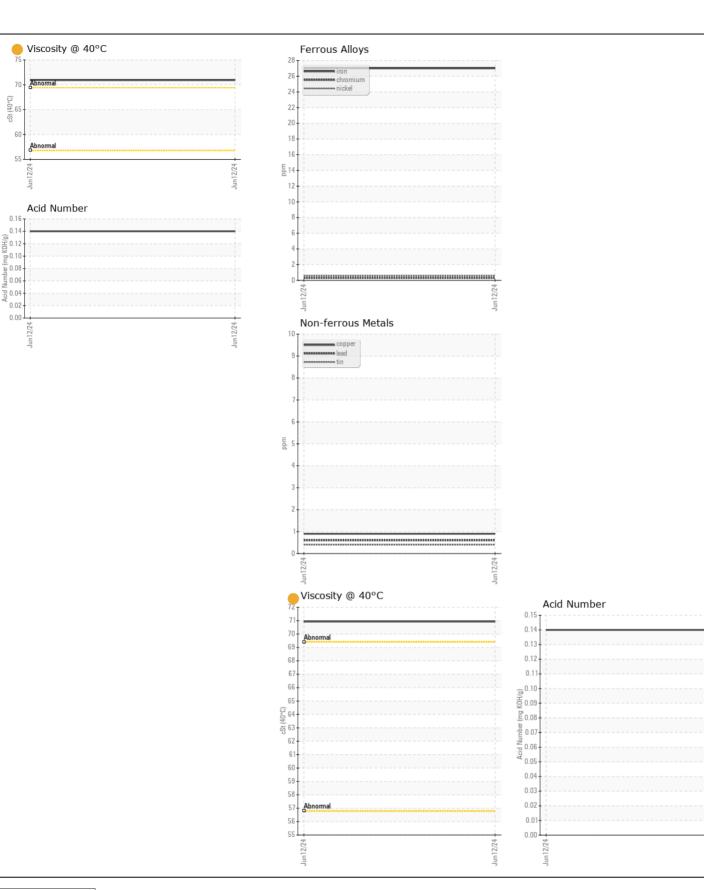
There is no indication of any contamination in the oil.

FLUID CONDITION

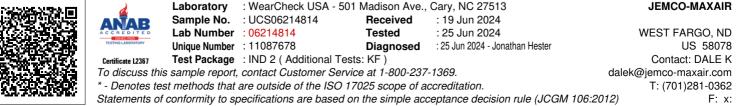
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

| TestUOMMethodLimit/ACurrentHistory1History2Sample NumberCClient Info12 Jun 2024Sample DateClient Info1196Machine AgehrsClient Info1196Oil AgehrsClient InfoI196Filter AgehrsClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedTronppASTM D5185-SD27ChromiumppASTM D5185>5DNickelppASTM D5185>10-1SilverppASTM D5185>253GaptappASTM D5185>50-1CopperpmASTM D5185>5-1VanadiumppASTM D5185>255SilconpmASTM D5185>255SiltonppASTM D5185>201SiltonppASTM D5185>255SiltonppASTM D5185>255SiltonppASTM D5185>201SiltonppASTM D5185 | | | | | | | |
|---|------------------|----------|-------------|-----------|-------------|----------|----------|
| Sample DateClient Info12 Jun 2024Machine AgehrsClient Info1196Oil AgehrsClient Info1196Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedSample StatusSiteChangedIronppmASTM D5185NickelppmASTM D5185NickelppmASTM D5185AluminumppmASTM D5185SilverppmASTM D5185>25CopperppmASTM D5185>25YandiumppmASTM D5185>5Yaldowscala'VisualNONENONESilconppmASTM D5185>255Yaldowscala'VisualNONENONESilconppmASTM D5185>255YaldowppmASTM D5185>255SilconppmASTM D5185>255SilconppmASTM D5185 | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine AgehrsClient InfoInfoInfoInfoInfoOil AgehrsClient Info1196InfoInfoFilter AgehrsClient InfoChangedInfoInfoOil ChangedClient InfoChangedInfoInfoInfoFilter ChangedClient InfoChangedInfoInfoInfoFilter ChangedClient InfoChangedInfoInfoInfoFilter ChangedDiffClient InfoChangedInfoInfoSample StatusClient InfoATTENTONInfoInfoInfoChromiumppmASTM D5185>5027InfoInfoNickelppmASTM D5185>5021InfoInfoNickelppmASTM D5185>25InfoInfoInfoSilverppmASTM D5185>25InfoInfoInfoAuminumppmASTM D5185>25InfoInfoInfoPom ASTM D5185>25InfoInfoInfoInfoVanadiumppmASTM D5185>25InfoInfoInfoPolassiumppmASTM D5185>25InfoInfoInfoVanadiumppmASTM D5185>25InfoInfoInfoPolassiumppmASTM D5185>25InfoInfoInfoSiliconppmASTM D5185>25InfoInfoInfoSiliconppm </th <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>UCS06214814</th> <th></th> <th></th> | Sample Number | | Client Info | | UCS06214814 | | |
| Oil AgehrsClient InfoIngIngIngIngIngFilter AgehrsClient InfoChangedIngIngIngIngOil ChangedClient InfoChangedIngIngIngIngFilter ChangedIngClient InfoChangedIngIngIngSample StatusIngSample StatusIngIngIngIngIngIronppmASTM D5185S027IngIngIngNickelppmASTM D5185IngIngIngIngIngNickelppmASTM D5185S1IngIngIngIngSilverppmASTM D5185S2IngIngIngAluminumppmASTM D5185S2IngIngIngQuandumppmASTM D5185S2IngIngIngVanadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185S2IngIngIngValadumppmASTM D5185IngIng <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>12 Jun 2024</th> <th></th> <th></th> | Sample Date | | Client Info | | 12 Jun 2024 | | |
| Filter Age Oil ChangedhrsClient InfoIngClient InfoChangedFilter ChangedClient InfoChangedSample StatusATTENTIONIronppmASTM D5185>5027IronppmASTM D5185>5027NickelppmASTM D5185<1NickelppmASTM D5185<1SilverppmASTM D5185>253AluminumppmASTM D5185>50<1AuminumppmASTM D5185>5<1VanadiumppmASTM D5185>50<1VanadiumppmASTM D5185>5<1VanadiumppmASTM D5185>25SVanadiumppmASTM D5185>201VandufumppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SoliconppmASTM D5185< | Machine Age | hrs | Client Info | | 1196 | | |
| Oli ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusATTENTIONIronppmASTM D5185>5027NickelppmASTM D5185NickelppmASTM D5185NickelppmASTM D5185SilverppmASTM D5185AluminumppmASTM D5185AluminumppmASTM D5185LeadppmASTM D5185-50CopperppmASTM D5185-51VanadiumppmASTM D5185-51VanadiumppmASTM D5185-50Vellow Metalscalar'VisualNONESiliconppmASTM D5185-255PotassiumppmASTM D5185-201SilitonppmASTM D5185-201Silitonscalar'VisualNONESilitonscalar'VisualNONESilitonscalar'VisualNONESilitonscalar'VisualNONESilitonscalar'VisualNONESolitonscalar'VisualNONESolitonscalar'VisualNONESolitonscalar'V | Oil Age | hrs | Client Info | | 1196 | | |
| Filter Changed Sample StatusClient IntoChanged ATTENTIONIronppmASTM D5185m>5027ChroniumppmASTM D5185m<1NickelppmASTM D5185m<1NickelppmASTM D5185m<1SilverppmASTM D5185m<1AluminumppmASTM D5185m>50<1LeadppmASTM D5185m>50<1CopperppmASTM D5185m>50<1VanadiumppmASTM D5185m>50<1Velhow Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONE1SiliconppmASTM D5185m>201Siliconscalar'VisualNONENONESilitonscalar'VisualNONENONESolitonscalar'VisualNONENONESilitonscalar'VisualNONENONESolitonscalar'VisualNONENONESolitonscalar'VisualNORENONESolitonscalar'VisualNORE <td< th=""><th>Filter Age</th><th>hrs</th><th>Client Info</th><th></th><th>1196</th><th></th><th></th></td<> | Filter Age | hrs | Client Info | | 1196 | | |
| Sample StatusATTENTIONIronppmASTM D5185>50027ChromiumppmASTM D5185<10<11NickelppmASTM D5185<10<11TitaniumppmASTM D5185<11SilverppmASTM D5185>2531AluminumppmASTM D5185>25<1LeadppmASTM D5185>25<1CopperppmASTM D5185>5<1VanadiumppmASTM D5185>15<1VanadiumppmASTM D5185>25<1Yellow Metalscalar'VisualNONENONESiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>201SoliconppmASTM D5185>201Soliconscalar'VisualNONENONESoliconscalar'VisualNORNORE- | Oil Changed | | Client Info | | Changed | | |
| IronppmASTM D5185m>50027ChromiumppmASTM D5185m<10<1NickelppmASTM D5185m<11TitaniumppmASTM D5185m<11SilverppmASTM D5185m<11AluminumppmASTM D5185m>25<11LeadppmASTM D5185m>25<11CopperppmASTM D5185m>25<11VanadiumppmASTM D5185m>15<11VanadiumppmASTM D5185m>15<11Vellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>2555SiliconppmASTM D5185m>2011SiliconppmASTM D5185m>2011SiliconppmASTM D5185m>2011SiliconppmASTM D5185m>2011SiliconppmASTM D5185mNONENONESiliconppmASTM D5185mNONENONESolicon <th>Filter Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Changed</th> <th></th> <th></th> | Filter Changed | | Client Info | | Changed | | |
| Chromium NickelppmASTM D5185m ASTM D5185m<1 | Sample Status | | | | ATTENTION | | |
| NickelppmASTM D5185m<1 | Iron | ppm | ASTM D5185m | >50 | 27 | | |
| TitaniumppmASTM D5185m< | Chromium | ppm | ASTM D5185m | >10 | <1 | | |
| TitaniumppmASTM D5185m< | Nickel | ppm | ASTM D5185m | | <1 | | |
| SilverppmASTM D5185m<1 | Titanium | | ASTM D5185m | | <1 | | |
| AluminumppmASTM D5185m>253LeadppmASTM D5185m>25<1CopperppmASTM D5185m>50<1VanadiumppmASTM D5185m>15<1VanadiumppmASTM D5185m<1White Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONENONESiliconppmASTM D5185m>201Vatar%ASTM D5185m>201SiliconppmASTM D5185m>201Water%ASTM D5185m>201Silitscalar'VisualNONENONESand/Dirtscalar'VisualNONENONEAppearancescalar'VisualNORNORMLGodrscalar'VisualNORNORMLSodiumppmASTM D5185m<0BariumppmASTM D5185m<1MolybdenumppmASTM D5185m<1MagnaeseppmASTM D5185m<1MagnesiumppmASTM D5185m<0 <t< th=""><th>Silver</th><th></th><th>ASTM D5185m</th><th></th><th><1</th><th></th><th></th></t<> | Silver | | ASTM D5185m | | <1 | | |
| LeadppmASTM D5185m>25<1 | Aluminum | | ASTM D5185m | >25 | 3 | | |
| CopperppmASTM D5185m>50<1 | Lead | | ASTM D5185m | >25 | <1 | | |
| TinppmASTM D5185m>15<1 | Copper | | ASTM D5185m | >50 | <1 | | |
| White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>255PotassiumppmASTM D5185m>201Water%ASTM D5085>201Silitscalar*VisualNONENONESilitscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLSodiumppmASTM D5185m>0BoronppmASTM D5185m1ManganeseppmASTM D5185m1ManganeseppmASTM D5185m-1ManganesiumppmASTM D5185m-0PhosphorusppmASTM D5185m-0ZincppmASTM D5185m-4Astm D5185miManganeseppmASTM D5185mPhosphorusppmASTM D5185m-0ZincppmASTM D5185mAstm D5 | Tin | ppm | ASTM D5185m | >15 | <1 | | |
| Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>201PotassiumppmASTM D5185m>201Water%ASTM D5185m>201Water%ASTM D5185m>201Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLBoronppmASTM D5185m0BariumppmASTM D5185m1ManganeseppmASTM D5185m5ManganeseppmASTM D5185m0PhosphorusppmASTM D5185m0SulfurppmASTM D5185m577ZincppmASTM D5185m4Acid Number (AN)mK016ASTM D5185m1201Acid Number (AN)mK016ASTM D5185m6Acid Number (AN)mK016ASTM D5185m1201Astin D5185mA1201Astin D5185mA1201A | Vanadium | ppm | ASTM D5185m | | <1 | | |
| SiliconppmASTM D5185m>255PotassiumppmASTM D5185m>201Water%ASTM D6304>0.1NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185mNORMLBoronppmASTM D5185m0BariumppmASTM D5185m11ManganeseppmASTM D5185m11MagnesiumppmASTM D5185m5PhosphorusppmASTM D5185m5MagnesiumppmASTM D5185m5PhosphorusppmASTM D5185m5SulfurppmASTM D5185m-4SulfurppmASTM D5185m-4Acid Number (AN)actm D5185m-4Astm D5185m-57SulfurppmASTM D5185m-4Astm D5185m-1201Astm | White Metal | scalar | *Visual | NONE | NONE | | |
| Potassium ppm ASTM D5185m >20 1 Water % ASTM D6304 >0.1 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 1 Malganese ppm ASTM D5185m 1 < | Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Potassium ppm ASTM D5185m >20 1 Water % ASTM D6304 >0.1 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Odor scalar *Visual NORM NORML Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 1 Malganese ppm ASTM D5185m 1 < | | | | | | | |
| Water%ASTM D6304>0.1NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLSodiumppmASTM D5185mOBoronppmASTM D5185m0BariumppmASTM D5185m1MalganeseppmASTM D5185mI1MagnesiumppmASTM D5185mI1PhosphorusppmASTM D5185mI1ZincppmASTM D5185mI1AgnesiumppmASTM D5185mI1PhosphorusppmASTM D5185mI1ZincppmASTM D5185mI4SulfurppmASTM D5185mI4Acid Number (AN)mg KOHgASTM D5185mI1SoutigeppmASTM D5185mI4Acid Number (AN)mg KOHgASTM D5185mI4Acid Number (AN)mg KO | | | | | - | | |
| Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m1BariumppmASTM D5185m1MolybdenumppmASTM D5185m1MaganeseppmASTM D5185m5PhosphorusppmASTM D5185m5ZincppmASTM D5185m5SulfurppmASTM D5185m4Acid Number (AN)mg KOHgASTM D5185m4SulfurppmASTM D5185m4Acid Number (AN)mg KOHgASTM D5185m60.14 | | | | | - | | |
| Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m0MolybdenumppmASTM D5185m1MagnesiumppmASTM D5185m11PhosphorusppmASTM D5185m5PhosphorusppmASTM D5185m5SulfurppmASTM D5185m14SulfurppmASTM D5185m5Astm D5185mffAstm D5185mffAstm D5185mffAstm D5185mfffAstm D5185mffffAstm D5185mfffffAstm D5185mfffffAstm D5185mfffffAstm D5185mfffffAstm D5185mfff </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | |
| Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m2BariumppmASTM D5185m1MolybdenumppmASTM D5185m1MaganeseppmASTM D5185m5MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m557ZincppmASTM D5185m4SulfurppmASTM D5185m11201Acid Number (AN)mg KOH/gASTM D80450.14 | | | | | - | | |
| Appearancescalar*VisualNORMLNORMLInorematicationInorematicationOdorscalar*VisualNORMLNORMLInorematicationInorematicationEmulsified Waterscalar*Visual>0.1NEGInorematicationInorematicationSodiumppmASTM D5185mInorematicationInorematicationInorematicationInorematicationBoronppmASTM D5185mInorematicationInorematicationInorematicationBariumppmASTM D5185mInorematicationInorematicationInorematicationMolybdenumppmASTM D5185mInorematicationInorematicationInorematicationManganeseppmASTM D5185mInorematicationInorematicationInorematicationMagnesiumppmASTM D5185mInorematicationInorematicationInorematicationPhosphorusppmASTM D5185mInorematicationInorematicationInorematicationJincppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationAstm D5185mInorematicationInorematicati | | | | | - | | |
| Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m2BariumppmASTM D5185m1MolybdenumppmASTM D5185m1ManganeseppmASTM D5185m11MagnesiumppmASTM D5185m0PhosphorusppmASTM D5185m0PhosphorusppmASTM D5185m57SulfurppmASTM D5185m4SulfurppmASTM D5185m11201Acid Number (AN)mg KOHUASTM D80450.14 | | | | | - | | |
| Emulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m0BoronppmASTM D5185m2BariumppmASTM D5185m1MolybdenumppmASTM D5185m1ManganeseppmASTM D5185m1MagnesiumppmASTM D5185m5CalciumppmASTM D5185m0PhosphorusppmASTM D5185m577ZincppmASTM D5185m4SulfurppmASTM D5185m11201Acid Number (AN)mg KOH/gASTM D80450.14 | | | | | | | |
| Sodium ppm ASTM D5185m 0 Boron ppm ASTM D5185m 2 Barium ppm ASTM D5185m 1 Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 5 Zinc ppm ASTM D5185m 57 Sulfur ppm ASTM D5185m 4 Acid Number (AN) mg KOH/g ASTM D5185m 1201 | | | | | - | | |
| Boron ppm ASTM D5185m 2 Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Emulsified Water | scalar | *Visual | >0.1 | NEG | | |
| Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D5185m 6.14 | Sodium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum ppm ASTM D5185m <1 | Boron | ppm | ASTM D5185m | | 2 | | |
| Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 57 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Barium | ppm | ASTM D5185m | | 1 | | |
| Magnesium ppm ASTM D5185m 5 Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 0 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Molybdenum | ppm | ASTM D5185m | | <1 | | |
| Calcium ppm ASTM D5185m 0 Phosphorus ppm ASTM D5185m 57 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Manganese | ppm | ASTM D5185m | | 1 | | |
| Phosphorus ppm ASTM D5185m 57 Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 4 Astm D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Magnesium | ppm | ASTM D5185m | | 5 | | |
| Zinc ppm ASTM D5185m 4 Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Calcium | ppm | ASTM D5185m | | 0 | | |
| Sulfur ppm ASTM D5185m 1201 Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Phosphorus | ppm | ASTM D5185m | | 57 | | |
| Acid Number (AN) mg KOH/g ASTM D8045 0.14 | Zinc | ppm | ASTM D5185m | | 4 | | |
| | Sulfur | ppm | ASTM D5185m | | 1201 | | |
| Visc @ 40°C cSt ASTM D445 | Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.14 | | |
| | | | | | | | |

Contact/Location: DALE K - UCJEMWES







Contact/Location: DALE K - UCJEMWES Page 2 of 2