

Machine Id **C0131** Component **Hoisting Gearbox** Fluid **{not provided} (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

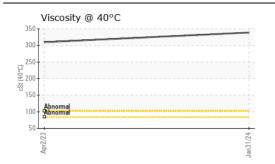
FLUID CONDITION

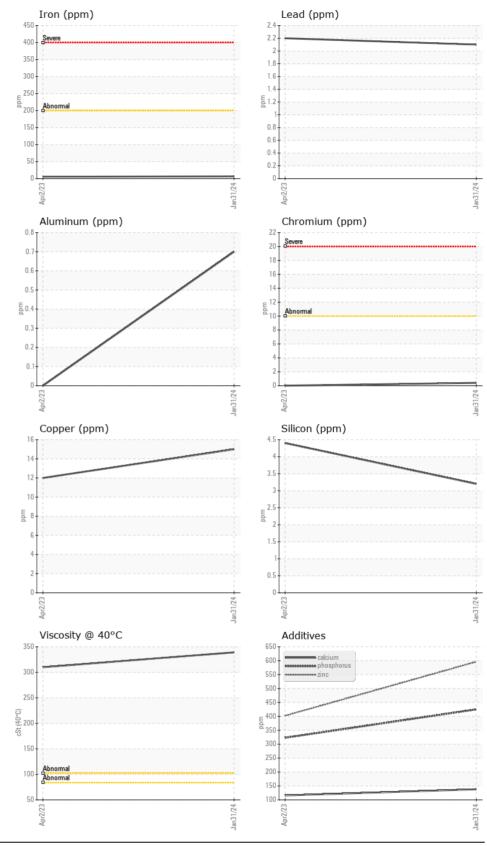
The condition of the oil is acceptable for the time in service.

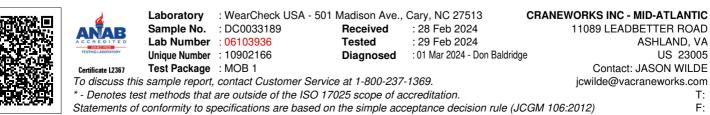
| TestUOMMethodLimit/MCurrentHistory1History2Sample NumberCClient InfoD0033189DC05809520Sample DateClient InfoIJ1 Jan 202402 Apr 2023Machine AgehrsClient Info00Filter AgehrsClient Info00Filter AngedLient InfoN/AN/AGil ChangedClient InfoN/AN/AFilter ChangedClient InfoN/AN/ASample StatusClient InfoN/AN/AChromiumppmASTM D5185>20065NickelppmASTM D5185>10<10NickelppmASTM D5185>10<10SilverppmASTM D5185>10<10JuninumppmASTM D5185<22AuminumppmASTM D5185<1<1VanadiumppmASTM D5185<1512VanduumppmASTM D5185<16<1<1VanadiumppmASTM D5185<2022VanduumppmASTM D5185<2022VanduumppmASTM D5185<2022VanduumppmASTM D5185<20 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | |
|---|------------------|--------|-------------|-----------|-------------|-------------|----------|
| Sample DateClient InfoIntS1 Jan 20200.2 Apr 2023Machine AgehrsClient Info00Gil AgehrsClient InfoI00.0Filter AgehrsClient InfoIVN/AN/AGil ChangedIClient InfoN/AN/AFilter ChangedIClient InfoN/AN/ASample StatusIIN/AN/AIronppmASTM D5185>20065NickelppmASTM D5185>10<10NickelppmASTM D5185>10<10SilverppmASTM D5185I<10AluminumppmASTM D5185I<10QopperppmASTM D5185I<1YanadiumppmASTM D5185I<1YanadiumppmASTM D5185IIYanadiumppmASTM D5185IIYanadiumppmASTM D5185IIIYanadiumppmASTM D5185IIIYanadiumppmASTM D5185IIIYanadiumppmASTM D5185IIIIYanadiumppmASTM D5185< | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine AgehrsClient Info00Oil AgehrsClient Info00.0Filter AgehrsClient InfoN/AN/AOil ChangedClient InfoN/AN/AFilter ChangedIClient InfoN/AN/ASample StatusClient InfoN/AN/AIronppmASTM D5185>20065ChromiumppmASTM D5185>10<10.0NickelppmASTM D5185>10<10.0NickelppmASTM D518510<10.0SilverppmASTM D5185I<10.0LeadppmASTM D5185I<112VanadiumppmASTM D5185I<11VanadiumppmASTM D5185I<10.0VanadiumppmASTM D5185I<11VanadiumppmASTM D5185I<11SilconppmASTM D5185IIISilconppmASTM D5185IIIIValuesvisualNONEINONEINONEIISilconppmASTM D5185IIII<SilconppmASTM D5185IIII<< | Sample Number | | Client Info | | DC0033189 | DC05809520 | |
| Oil Age Filter AgehrsClient InfoOOFilter AgehrsClient InfoN/AN/AOil ChangedColent InfoN/AN/AFilter ChangedClient InfoN/AN/ASample StatusSite Client InfoN/AN/AIronppmASTM D518s>20065ChromiumppmASTM D518s>10<10NickelppmASTM D518s10<10NickelppmASTM D518s10<10SilverppmASTM D518s10<10AluminumppmASTM D518s10<10LeadppmASTM D518s10<10VandadiumppmASTM D518s10<10VandadiumppmASTM D518s10<10Valderscala'VisualNONEAINONESiliconppmASTM D518s2022SiliconppmASTM D518s20AINONESiliconppmASTM D518s20122SiliconppmASTM D518s20122SiliconppmASTM D518s20122SiliconppmASTM D518s2012 <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>31 Jan 2024</th><th>02 Apr 2023</th><th></th></t<> | Sample Date | | Client Info | | 31 Jan 2024 | 02 Apr 2023 | |
| Filter Age OII ChangedIsoClient InfoIsoIsoIsoGilent InfoKIAN/AN/AFilter ChangedClient InfoN/AN/ASample StatusVIANORMALIronppmASTM D5185n>20065ChromiumppmASTM D5185n>10<10NickelppmASTM D5185n>10<10NickelppmASTM D5185n>10<10SilverppmASTM D5185n<10AluminumppmASTM D5185n<10LeadppmASTM D5185n<10VanadiumppmASTM D5185n<1<VanadiumppmASTM D5185n<1<Valedscalar'VisualNONENONENONEValedscalar'VisualNONENONENONESiliconppmASTM D5185n>2022Valedscalar'VisualNONENONENONESiliconppmASTM D5185n>2022SiliconppmASTM D5185n>2022SoliconppmASTM D5185n>20NONEN | Machine Age | hrs | Client Info | | 0 | 0 | |
| Oli ChangedClient IntoN/AN/AFilter ChangedClient IntoN/AN/ASample StatusNORMALN/ANORMALIronppmASTM D5185m>20065ChromiumppmASTM D5185m>10<10NickelppmASTM D5185m>10<10NickelppmASTM D5185m>10<10SilverppmASTM D5185m<10AluminumppmASTM D5185m<10LeadppmASTM D5185m<112YanadiumppmASTM D5185m<1<1VanadiumppmASTM D5185m<1<1Yellow Metalscalar'VisualNONENONENONEYellow Metalscalar'VisualNONENONENONESiliconppmASTM D5185m222YathofitismyouASTM D5185m2022SiliconppmASTM D5185m>2022Yellow Metalscalar'VisualNONENONENONESiliconppmASTM D5185m>2022Soliconscalar'VisualNONENONENONESolicon< | Oil Age | hrs | Client Info | | 0 | 0 | |
| Filter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/ANORMALNORMALIronppmASTM D5185>20065ChromiumppmASTM D5185>10<10NickelppmASTM D5185>10<10NickelppmASTM D5185>10<10SilverppmASTM D51850<10AluminumppmASTM D5185<122CopperppmASTM D5185<1512YanadiumppmASTM D5185<10VanadiumppmASTM D5185<10Yellow Metalscalar*VisualNONENONESiliconppmASTM D518534Yellow Metalscalar*VisualNONENONESiliconppmASTM D518534SiliconppmASTM D518534SiliconppmASTM D5185ScalarNONENONESiliconppmASTM D5185ScalarNONENONESiliconppmASTM D5185NONENONESiliconppmASTM D5185ScalarNONESoliconppmASTM D5185ScalarNONE | Filter Age | hrs | Client Info | | 0 | 0 | |
| Sample StatusNORMALNORMALIronppmASTM D5185>20065ChromiumppmASTM D5185>10<10NickelppmASTM D5185>10<10TitaniumppmASTM D5185I<10SilverppmASTM D5185I<10AluminumppmASTM D5185I22LeadppmASTM D5185I12ICopperppmASTM D5185I<10IYanadiumppmASTM D5185I<10IIVanadiumppmASTM D5185I<10IIVellow Metalscalar*VisualNONENONENONEIIVellow Metalscalar*VisualNONENONENONEIISiliconppmASTM D518534IIIIIIVellow Metalscalar*VisualNONENONENONEII </th <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>N/A</th> <th>N/A</th> <th></th> | Oil Changed | | Client Info | | N/A | N/A | |
| IronppmASTM D5185m>20065ChromiumppmASTM D5185m>10<10NickelppmASTM D5185m>10<10NickelppmASTM D5185m>10<10SilverppmASTM D5185m0<10AluminumppmASTM D5185m0<10LeadppmASTM D5185m22CopperppmASTM D5185m<11<1YanadiumppmASTM D5185m<11<1VanadiumppmASTM D5185m<11<1Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m2022Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2022SiliconppmASTM D5185m>2022Siliconscalar*VisualNONENONENONESiliconppmASTM D5185m>2022SiliconppmASTM D5185m>20NORENONESiliconppmASTM D5185mNONENORESoliconscalar*VisualNORMNORMLNORML <t< th=""><th>Filter Changed</th><th></th><th>Client Info</th><th></th><th>N/A</th><th>N/A</th><th></th></t<> | Filter Changed | | Client Info | | N/A | N/A | |
| ChromiumppmASTM D5185m>10<1 | Sample Status | | | | NORMAL | NORMAL | |
| ChromiumppmASTM D5185m>10<1 | Iron | | ACTM DE10Em | . 200 | e | E | |
| NickelppmASTM D5185m>10<1 | - | | | | - | - | |
| TitaniumppmASTM D5185m< | | | | | | - | |
| SilverppmASTM D5185mO00AluminumppmASTM D5185m<10LeadppmASTM D5185m22CopperppmASTM D5185m<22TinppmASTM D5185m<1512VanadiumppmASTM D5185m<1<1<1VanadiumppmASTM D5185m<1<10White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2022WaterWC Method>0.2NEGNEGSilitscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLSodiumppmASTM D5185m22<1BoronppmASTM D5185m<21SodiumppmASTM D5185m<21ManganeseppmASTM D5185m<2<1ManganeseppmASTM D5185m<2<1ManganeseppmASTM D5185m<2<1 | | | | >10 | | | |
| AluminumppmASTM D5185mAluminumppmASTM D5185m22LeadppmASTM D5185m22CopperppmASTM D5185m1512TinppmASTM D5185m<<1<1VanadiumppmASTM D5185m<<10White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185mZ22Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185mZ22Yellow Metalscalar*VisualNONENONENONESiliconscalar*VisualNONENONENONESilitscalar*VisualNONENONENONESand/Dirtscalar*VisualNORENONENONEAppearancescalar*VisualNORMLNORMLNORMLGoronppmASTM D5185m22<1BariumppmASTM D5185m22<1MagnaeseppmASTM D5185m22<1MagnesiumppmASTM D5185m22<1< | | | | | | | |
| LeadppmASTM D5185m22CopperppmASTM D5185m1512TinppmASTM D5185m<1<1VanadiumppmASTM D5185m<1<1White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2022PotassiumppmASTM D5185m>2022WaterWC Method>0.2NEGNONESilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORENORMLNORMLAppearancescalar*VisualNORHNORMLNORMLSodiumppmASTM D5185m2BoronppmASTM D5185m64<ManganeseppmASTM D5185m11<1<<ManganeseppmASTM D5185m138116<MangensiumppmASTM D5185m32.3<ManganeseppmASTM D5185m138116<ManganeseppmASTM D5185m596402<PhosphorusppmASTM D5185m | | | | | - | ÷ | |
| CopperppmASTM D5185mIndicatorInd | | | | | | | |
| TinppmASTM D5185m<1 | | | | | _ | _ | |
| VanadiumppmASTM D5185m< | | | | | - | | |
| White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2022PotassiumppmASTM D5185m>2022WaterWC Method>0.2NEGNEGSilitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m2<BariumppmASTM D5185m2<ManganeseppmASTM D5185m2<MagnesiumppmASTM D5185m2<MagnesiumppmASTM D5185m1338116<PhosphorusppmASTM D5185m4425323<MagnesiumppmASTM D5185m5964402< | | | | | | | |
| Yellow Metalscalar*VisualNONENONENONE \sim SiliconppmASTM D5185m >20 22 \sim PotassiumppmASTM D5185m >20 22 \sim WaterWC Method >0.2 NEGNEG \sim Silitscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONE \sim Sand/Dirtscalar*VisualNONENONENONE \sim Appearancescalar*VisualNORMLNORMLNORML \sim Odorscalar*VisualNORMLNORMLNORML \sim SodiumppmASTM D5185m \sim 2 <1 \sim BoronppmASTM D5185m $<$ 6 44 \sim ManganeseppmASTM D5185m $<$ 2 <1 \sim MagnesiumppmASTM D5185m $<$ 4 $<$ \sim PhosphorusppmASTM D5185m $<$ 4 $<$ $<$ PhosphorusppmASTM D5185m $<$ 4 $<$ $<$ MagnesiumppmASTM D5185m $<$ 4 $<$ $<$ PhosphorusppmASTM D5185m $<$ 4 $<$ $<$ SolurppmASTM D5185m $<$ 4 $<$ $<$ SolurppmASTM D5185m $<$ 4 $<$ $<$ SolurppmASTM | | | | NONE | | | |
| SiliconppmASTM D5185m34PotassiumppmASTM D5185m>2022WaterWC Method>0.2NEGNEGSiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLSodiumppmASTM D5185m2NEGBoronppmASTM D5185m-64MalganeseppmASTM D5185m2<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m-138116SandyborusppmASTM D5185m138116MagnesiumppmASTM D5185m-5964022SulfurppmASTM D5185m-596402SulfurppmASTM D5185m-1390612981 | | | | | - | | |
| PotassiumppmASTM D5185m>2022WaterWC Method>0.2NEGNEGSiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BariumppmASTM D5185m1<1MagnesiumppmASTM D5185m2<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m138116SulfurppmASTM D5185m596402SulfurppmASTM D5185m59612981 | | Jouran | | | | mone | |
| WaterWC Method>0.2NEGNEGSiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BariumppmASTM D5185m11<1MalganeseppmASTM D5185m2<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m138116SilfurppmASTM D5185m138116MagnesiumppmASTM D5185m138116SilfurppmASTM D5185m5964022SulfurppmASTM D5185m59612981 | Silicon | ppm | ASTM D5185m | | 3 | 4 | |
| Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLSodiumppmASTM D5185m2<1BoronppmASTM D5185m64BariumppmASTM D5185m64ManganeseppmASTM D5185m2<11<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m323SilfurppmASTM D5185m1390612981 | Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | |
| Debrisscalar*VisualNONENONENONESand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BoronppmASTM D5185m70BariumppmASTM D5185m64MolybdenumppmASTM D5185m22<1MagnesiumppmASTM D5185m22<1PhosphorusppmASTM D5185m138116PhosphorusppmASTM D5185m596402SulfurppmASTM D5185m1380612981 | Water | | WC Method | >0.2 | NEG | NEG | |
| Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BoronppmASTM D5185m70BariumppmASTM D5185m6644MolybdenumppmASTM D5185m2<1MagnesiumppmASTM D5185m2<1PhosphorusppmASTM D5185m138116PhosphorusppmASTM D5185m425323ZincppmASTM D5185m596402SulfurppmASTM D5185m1380612981 | Silt | scalar | *Visual | NONE | NONE | NONE | |
| Appearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BoronppmASTM D5185m70BariumppmASTM D5185m644MolybdenumppmASTM D5185m1<1<1MaganeseppmASTM D5185m2<11<1CalciumppmASTM D5185m138116PhosphorusppmASTM D5185m596402SulfurppmASTM D5185m1380612981 | Debris | scalar | *Visual | NONE | NONE | NONE | |
| Odorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BoronppmASTM D5185m70BariumppmASTM D5185m64MolybdenumppmASTM D5185m11<1ManganeseppmASTM D5185m22<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m4425323PhosphorusppmASTM D5185m596402SulfurppmASTM D5185m1390612981 | Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | |
| Emulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m2<1BoronppmASTM D5185m70BariumppmASTM D5185m64MolybdenumppmASTM D5185m1<1<1ManganeseppmASTM D5185m2<1MagnesiumppmASTM D5185m138116PhosphorusppmASTM D5185m138116PhosphorusppmASTM D5185m596402SulfurppmASTM D5185m1380612981 | Appearance | scalar | *Visual | NORML | NORML | NORML | |
| Sodium ppm ASTM D5185m 2 <1 | Odor | scalar | *Visual | NORML | NORML | NORML | |
| Boron ppm ASTM D5185m 7 0 Barium ppm ASTM D5185m 6 4 Molybdenum ppm ASTM D5185m 1 <1 Manganese ppm ASTM D5185m 2 <1 Magnesium ppm ASTM D5185m 41 <1 Calcium ppm ASTM D5185m 41 <1 Phosphorus ppm ASTM D5185m 138 116 Zinc ppm ASTM D5185m 425 323 Sulfur ppm ASTM D5185m 596 402 | Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | |
| Boron ppm ASTM D5185m 7 0 Barium ppm ASTM D5185m 6 4 Molybdenum ppm ASTM D5185m 1 <1 Manganese ppm ASTM D5185m 2 <1 Magnesium ppm ASTM D5185m 41 <1 Calcium ppm ASTM D5185m 41 <1 Phosphorus ppm ASTM D5185m 138 116 Zinc ppm ASTM D5185m 425 323 Sulfur ppm ASTM D5185m 596 402 | Sodium | maa | ASTM D5185m | | 2 | <1 | |
| Barium ppm ASTM D5185m 6 4 Molybdenum ppm ASTM D5185m 1 <1 <1 < Manganese ppm ASTM D5185m 2 <1 Magnesium ppm ASTM D5185m 41 <1 Calcium ppm ASTM D5185m 138 116 Phosphorus ppm ASTM D5185m 425 323 Zinc ppm ASTM D5185m 596 402 Sulfur ppm ASTM D5185m 13906 12981 | | | | | | | |
| Molybdenum ppm ASTM D5185m 1 <1 | Barium | | | | | | |
| Manganese ppm ASTM D5185m 2 <1 | Molybdenum | | ASTM D5185m | | | <1 | |
| Magnesium ppm ASTM D5185m 41 <1 | | | | | | | |
| Calcium ppm ASTM D5185m 138 116 Phosphorus ppm ASTM D5185m 425 323 Zinc ppm ASTM D5185m 596 402 Sulfur ppm ASTM D5185m 13906 12981 | | | ASTM D5185m | | 41 | | |
| Phosphorus ppm ASTM D5185m 425 323 Zinc ppm ASTM D5185m 596 402 Sulfur ppm ASTM D5185m 13906 12981 | - | | ASTM D5185m | | | 116 | |
| Zinc ppm ASTM D5185m 596 402 Sulfur ppm ASTM D5185m 13906 12981 | Phosphorus | | ASTM D5185m | | 425 | 323 | |
| | | | ASTM D5185m | | 596 | 402 | |
| Visc @ 40°C cSt ASTM D445 339 310.0 | Sulfur | ppm | ASTM D5185m | | 13906 | 12981 | |
| | Visc @ 40°C | cSt | ASTM D445 | | 339 | 310.0 | |

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Contact/Location: JASON WILDE - CRAASHMA







Contact/Location: JASON WILDE - CRAASHMA

Т:

F: