

WEAR ABNORMAL CONTAMINATION SEVERE FLUID CONDITION NORMAL

PALEXTRA 44 Machine Id PALATEK 06H097B - WENSMEN SEED Component Compressor

RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Please note that there was too much water present in the oil to perform a viscosity test.

WEAR

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

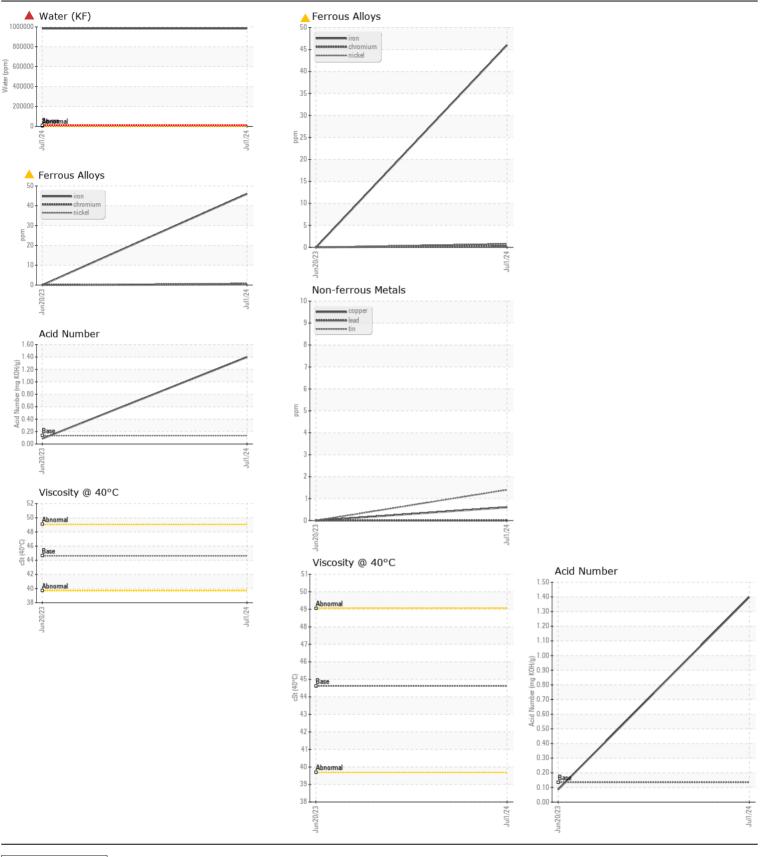
Sample consists almost entirely of free water. There is a high concentration of water present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

TestUOMMethodLimi/AbCurrentHistory1History2Sample NumberClient InfoUCS06231548UCS05887918Sample DateClient Info01 Jul 202420 Jun 2023Machine AgehrsClient Info2986929869Oil AgehrsClient Info00Filter AgehrsClient InfoNot ChangdNot ChangdOil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdSample StatusClient InfoNot ChangdNot ChangdIronppmASTM D5185m>50 4 460NickelppmASTM D5185m>10<10NickelppmASTM D5185m>1<10SilverppmASTM D5185m>25 3 <1AluminumppmASTM D5185m>25 0 0VanadiumppmASTM D5185m>110VanadiumppmASTM D5185m>25 1 0VanadiumppmASTM D5185m>25 1 0White Metalscalar*VisualNONENONENONEVanadiumppmASTM D5185m>26 1 </th
Sample DateClient InfoO1 Jul 202420 Jun 2023Machine AgehrsClient InfoQ986929869Oil AgehrsClient InfoOOFilter AgehrsClient InfoOOOil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdSample StatusClient InfoNot ChangdNot ChangdIronppmASTM D5185n>50 4 46ONickelppmASTM D5185n>10<10NickelppmASTM D5185n>10<10SilverppmASTM D5185n>25 3 <1AluminumppmASTM D5185n>50<10TinppmASTM D5185n>50<10VanadiumppmASTM D5185n>50<10VanadiumppmASTM D5185n>50<10VanadiumppmASTM D5185n>10VanadiumppmASTM D5185n>25 3 <1VanadiumppmASTM D5185n>25 1 0VanadiumppmASTM D5185n>25 1 0VanadiumppmASTM D5185n>25 2 1<
Machine Age hrs Client Info 29869 29869 Oil Age hrs Client Info 0 0 Filter Age hrs Client Info 0 0 Oil Changed Client Info Not Changd Not Changd Filter Changed Client Info Not Changd Not Changd Sample Status Client Info Not Changd Not Changd Iron ppm ASTM D5185m Not Changd Iron ppm ASTM D5185m >10 <1 0 Iron ppm ASTM D5185m >10 <1 0 Iron ppm ASTM D5185m >10 <1 0 Nickel ppm ASTM D5185m >25 3 <1 Aluminum ppm ASTM D5185m<>25 0 0 Lead ppm ASTM D5185m<>50
Oil Age Filter Age Oil ChangedhrsClient Info00Filter Age Oil ChangedClient InfoNot ChangdNot ChangdOil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdSample StatusClient InfoNot ChangdNot ChangdIronppmASTM D5185m<>50▲ 460NickelppmASTM D5185m<>10<10NickelppmASTM D5185m<>10<10SilverppmASTM D5185m<210AluminumppmASTM D5185m<>253<1LeadppmASTM D5185m<>50<10TinppmASTM D5185m<>50<10VanadiumppmASTM D5185m<>50<10VanadiumppmASTM D5185m<>10Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m<>20<10SiliconppmASTM D5185m<>20<10Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m<>20<10PotassiumppmASTM D5185m<>20<10PotassiumppmASTM D5185m<>20<10 <td< th=""></td<>
Filter AgehrsClient Info00Oil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdSample StatusClient InfoNot ChangdNot ChangdIronppmASTM D5185m>50▲ 460ChromiumppmASTM D5185m>10<10NickelppmASTM D5185m>10<10TitaniumppmASTM D5185m<1<10SilverppmASTM D5185m>253<1AluminumppmASTM D5185m>2500LeadppmASTM D5185m>2500TinppmASTM D5185m>10VanadiumppmASTM D5185m>10VanadiumppmASTM D5185m>10Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2521SiliconppmASTM D5185m>2521SiliconppmASTM D5185m>2521PotassiumppmASTM D5185m>20<10PotassiumppmASTM D5185m>2521PotassiumppmAST
Oil ChangedClient InfoNot ChangdNot ChangdFilter ChangedClient InfoNot ChangdNot ChangdSample StatusSEVERENORMALIronppmASTM D5185m>504 460ChromiumppmASTM D5185m>10<1
Filter ChangedClient InfoNot ChangdNot ChangdSample StatusSEVERENORMALIronppmASTM D5185m<>50▲ 460ChromiumppmASTM D5185m<>10<10NickelppmASTM D5185m<10TitaniumppmASTM D5185m<10SilverppmASTM D5185m<10AluminumppmASTM D5185m<10LeadppmASTM D5185m<>253<1CopperppmASTM D5185m<>50<10TinppmASTM D5185m<>110VanadiumppmASTM D5185m<>1510White Metalscalar*VisualNONENONENONESiliconppmASTM D5185m<>2521SiliconppmASTM D5185m<>20<10SiliconppmASTM D5185m<>20<10Water%ASTM D5185m<>20<10PotassiumppmASTM D5185m<>20<10PotassiumppmASTM D6304>0.1844000Ppm WaterppmASTM D6304>1000Ppm WaterppmASTM D6304>1000PotassiumppmASTM D6304>1000
Sample StatusSEVERENORMALIronppmASTM D5185m>504 460ChromiumppmASTM D5185m>10<10NickelppmASTM D5185m>10<10TitaniumppmASTM D5185m<1<10SilverppmASTM D5185m<10AluminumppmASTM D5185m>253<1LeadppmASTM D5185m>2500TinppmASTM D5185m>50<10TinppmASTM D5185m>10VanadiumppmASTM D5185m>10Vellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>20<10SiliconppmASTM D5185m>20<10SiliconppmASTM D5185m>20<10Mater%ASTM D5185m>20<10Water%ASTM D5185m>20<10Mater%ASTM D5185m>20<10Mater%ASTM D5185m>20<10Mater%ASTM D5185m>20<10Mater%ASTM D5185m>20<10Mater%ASTM D5185m<
Iron ppm ASTM D5185m >50 ▲ 46 0 Chromium ppm ASTM D5185m >10 <1 0 Nickel ppm ASTM D5185m >10 <1 0 Titanium ppm ASTM D5185m < <1 0 Silver ppm ASTM D5185m < <1 0 Aluminum ppm ASTM D5185m >25 3 <1 Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >50 <1 0 Tin ppm ASTM D5185m >50 <1 0 Vanadium ppm ASTM D5185m >1 0 Vanadium ppm ASTM D5185m >1 0 Yellow Metal scalar *Visual NONE NONE NONE
Chromium ppm ASTM D5185m >10 <1
Chromium ppm ASTM D5185m >10 <1
Nickel ppm ASTM D5185m <1
Titanium ppm ASTM D5185m <1
SilverppmASTM D5185m<1
Aluminum ppm ASTM D5185m >25 3 <1
Lead ppm ASTM D5185m >25 0 0 Copper ppm ASTM D5185m >50 <1 0 Tin ppm ASTM D5185m >15 1 0 Vanadium ppm ASTM D5185m >15 1 0 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 <1 0 Vater % ASTM D5185m >20 <1 0 ppm Water ppm ASTM D5185m >20 <1 0
Copper ppm ASTM D5185m >50 <1
Tin ppm ASTM D5185m >15 1 0 Vanadium ppm ASTM D5185m >15 1 0 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >25 2 1 Potassium ppm ASTM D5185m >20 <1
VanadiumppmASTM D5185m<1
White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2521PotassiumppmASTM D5185m>20<10Water%ASTM D6304>0.1 4 98.4ppm WaterppmASTM D6304>1000 4 984000
Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >25 2 1 Potassium ppm ASTM D5185m >20 <1 0 Water % ASTM D6304 >0.1 4 98.4 ppm Water ppm ASTM D6304 >1000 4 984000
Silicon ppm ASTM D5185m >25 2 1 Potassium ppm ASTM D5185m >20 <1
Potassium ppm ASTM D5185m >20 <1
Water % ASTM D6304 >0.1 ▲ 98.4 ppm Water ppm ASTM D6304 >1000 ▲ 984000
ppm Water ppm ASTM D6304 >1000 4 984000
bb and bb a second second
Silt scalar *Visual NONE MODER NONE
Debris scalar *Visual NONE NONE MODER
Sand/Dirt scalar *Visual NONE NONE NONE
Appearance scalar *Visual NORML NORML NORML
Odor scalar *Visual NORML NORML NORML
Emulsified Water scalar *Visual >0.1 △ 0.2% NEG
Sodium ppm ASTM D5185m 5 <1
Boron ppm ASTM D5185m 0 8 0
Barium ppm ASTM D5185m 0.3 <1 15
Molybdenum ppm ASTM D5185m 0 0 0
Manganese ppm ASTM D5185m 0.3 <1 0
Magnesium ppm ASTM D5185m 0.4 <1 13
Calcium ppm ASTM D5185m 0 0 1
Phosphorus ppm ASTM D5185m 689 45 596
Zinc ppm ASTM D5185m 0 <1 30
Sulfur ppm ASTM D5185m 1237 0 345
Acid Number (AN) mg KOH/g ASTM D8045 0.135 1.398 0.085
Visc @ 40°C cSt ASTM D445 44.62 43.6

Contact/Location: DALE K - UCJEMWES



JEMCO-MAXAIR Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : UCS06231548 Received : 09 Jul 2024 Lab Number : 06231548 Tested : 10 Jul 2024 WEST FARGO, ND Diagnosed Unique Number : 11115041 : 11 Jul 2024 - Jonathan Hester US 58078 Test Package : IND 2 (Additional Tests: KF) Contact: DALE K Certificate L2367 dalek@jemco-maxair.com To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (701)281-0362 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Ĕ