### Sullivan Palatek.

# **OIL ANALYSIS REPORT**

## Area PALEXTRA 44 PALATEK 07F095 - REMINGTON SEED Component

Compressor

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

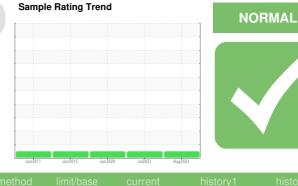
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

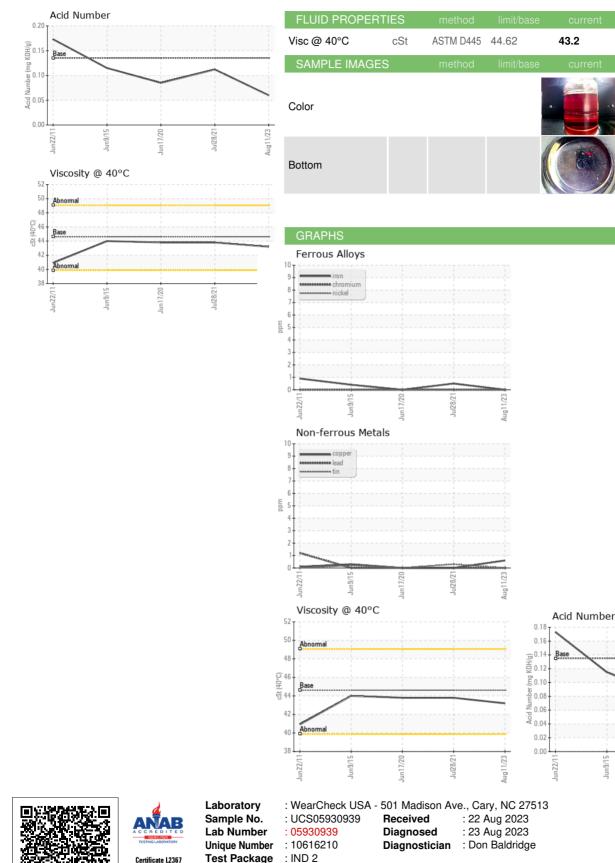




Sample Date     Client Info     11 Aug 2023     28 Jul 2021     17 Jun 2020       Machine Age     hrs     Client Info     48884     43787     41557       Ol Age     hrs     Client Info     6000     4000     4000       Oil Age     hrs     Client Info     Changed     Changed     Changed     Changed       Sample Status     method     Imit/base     current     NoRMAL     NORMAL     NORMAL       WEAR METALS     method     Imit/base     current     Nistory1     nistory2       Iron     ppm     ASTM D5185m     50     0     <1	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     48884     43787     41557       Oil Age     hrs     Client Info     8000     4000     4000       Oil Changed     Client Info     8000     4000     4000       Sample Status     Info     Info     Changed     Changed     Changed       WEAR METALS     method     Imit/base     current     NORMAL     NORMAL     NORMAL       VEAR METALS     method     Imit/base     current     Nistory!     0     0       Nickel     ppm     ASTM 05185m     >10     0     0     0       Silver     ppm     ASTM 05185m     >25     0     0     0       Capper     ppm     ASTM 05185m     >25     0     0     0       Antimomy     ppm     ASTM 05185m     >15     0     -1     0       Antimomy     ppm     ASTM 05185m     0     0     0     0       Antimomy     ppm     ASTM 05185m     0     0     0     0	Sample Number		Client Info		UCS05930939	UCS05330918	UCS05007508
Machine AgehrsClient Info488844378741557Oil AgehrsClient Info800040004000Oil ChangedClient InfoChangedKangedKangedSample Statusiinit/basvormentNoRMALNoRMALWEAR METALSmethodinit/bascurrenthistoryinit/basVerantppmASTM D5185>500<10ChromiumppmASTM D5185>50000NickelppmASTM D5185-10000SilverppmASTM D5185>25000SilverppmASTM D5185>25000CapperppmASTM D5185>50<1100CapperppmASTM D5185>50<1100AntimonyppmASTM D5185>50<1100AntimonyppmASTM D5185112VanadiumppmASTM D51850000AdminumppmASTM D51850000AdminumppmASTM D51850000AdminumppmASTM D51850.36100AdminumppmASTM D51850.36100AdminumppmASTM D51850.36100AdminumppmASTM D51850.3	Sample Date		Client Info		11 Aug 2023	28 Jul 2021	17 Jun 2020
Oli Changed Sample Status Client Info Changed NORMAL Changed NORMAL Changed NORMAL Changed NORMAL Changed NORMAL Changed NORMAL Changed NORMAL   WEAR METALS method Imit/base current history1 history2   Iron ppm ASTM DS185m >50 0 <1 0   Chromium ppm ASTM DS185m >10 0 0 0   Nickel ppm ASTM DS185m >25 0 0 0   Auminum ppm ASTM DS185m >25 0 0 0   Lead ppm ASTM DS185m >25 0 0 0   Antimony ppm ASTM DS185m >25 0 0 0   Antimony ppm ASTM DS185m >25 0 0 0   Adminum ppm ASTM DS185m -r 1 0 0   Adminum ppm ASTM DS185m -r 1 1 0   Cadmium ppm ASTM DS185m 0 0 1 -1   Barium ppm ASTM DS185m 0 0 1 1   Magnesium ppm ASTM DS185m 0	Machine Age	hrs	Client Info		-	43787	41557
Oll Changed Sample StatusClient InfoChanged NORMALChanged NORMALChanged NORMALChanged NORMALChanged NORMALWEAR METALSmethodlimil/basecurrenthistory1history2IronppmASTM D5185m>500<10OhromiumppmASTM D5185m>10000NickelppmASTM D5185m>00<10MarinumppmASTM D5185m0000LeadppmASTM D5185m>25000CopperppmASTM D5185m>25000CadmiumppmASTM D5185m>50<100AntimonyppmASTM D5185m<1000CadmiumppmASTM D5185m<1000ADDITIVESmethodimit/basecurrenthistory1history2BoronppmASTM D5185m000<11BariumppmASTM D5185m0.3000<1MagnessemppmASTM D5185m0.300<11MagnessemppmASTM D5185m0.300<11MagnessemppmASTM D5185m0.300<11MagnessemppmASTM D5185m0.300<11Still D5185m0.3000	Oil Age	hrs	Client Info		8000	4000	4000
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     <1     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     >25     0     0     0       Aluminum     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >15     0     <1     0       Copper     ppm     ASTM D5185m     >15     0     <1     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0.3     0     0     <1     1     1       Barium     ppm     ASTM D5185m     0.3     0     0     0     0       Manganese     ppm     ASTM D5185m	Oil Changed		Client Info		Changed	Changed	Changed
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Iron     ppm     ASTM D5185m     >500     0     <1	WEAR METALS		method	limit/base	current	history1	history2
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Nickel     ppm     ASTM D5185m     0     0     0     0       Titanium     ppm     ASTM D5185m     0     0     <1       Silver     ppm     ASTM D5185m     0     0     <1       Aluminum     ppm     ASTM D5185m     >25     0     0     0       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >15     0     <1     0       Antimony     ppm     ASTM D5185m     <     1     2     Vanadium       ppm     ASTM D5185m       1     2     Vanadium       ppm     ASTM D5185m      0     0     0     0       Cadmium     ppm     ASTM D5185m     0.3     0     0     0     0       Manganese     ppm     ASTM D5185m     0.3     <1     0     0       Maganeses     ppm     ASTM D5185m     0.4     1     0     0 <t< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></t<>					-		
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Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >50     <1     0     0       Tin     ppm     ASTM D5185m     >15     0     <1     0       Antimony     ppm     ASTM D5185m      1     2       Vanadium     ppm     ASTM D5185m     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     1     <1       Boron     ppm     ASTM D5185m     0     0     1     <1       Barium     ppm     ASTM D5185m     0.3     0     0     0     1       Molybdenum     ppm     ASTM D5185m     0.3     0     0     0     1     0     0     0     1     1     0     0     1     1     0     0     1     1     1     0     1     1     1     1     1     1     1     1     1     1     1     1				>25			
Copper     ppm     ASTM D5185m     >50     <1					-		
Tin     ppm     ASTM D5185m     >15     0     <1					-		
Antimony     ppm     ASTM D5185m      1     2       Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0.3     0     0     <1     <1       Barium     ppm     ASTM D5185m     0.3     0     0     <1     <1       Molybdenum     ppm     ASTM D5185m     0.3     <1     0     0     0       Magnese     ppm     ASTM D5185m     0.3     <1     0     0     0     <1       Phosphorus     ppm     ASTM D5185m     0.4     1     0						÷	÷
VanadiumppmASTM D5185m<1				210	-		
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m001<1BariumppmASTM D5185m0.300<1MolybdenumppmASTM D5185m0.3000ManganeseppmASTM D5185m0.3<100ManganesiumppmASTM D5185m0.4100CalciumppmASTM D5185m0.4100CalciumppmASTM D5185m000<1PhosphorusppmASTM D5185m0000SulfurppmASTM D5185m1237466811263CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25722SodiumppmASTM D5185m>20000FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONESiltscalar*VisualNONE <t< th=""><th>•</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	•						
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SodiumppmASTM D5185m210PotassiumppmASTM D5185m>20000FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2Acid Number (AN)mg K0H/gASTM D80450.1350.060.1120.085VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	CONTAMINANTS	;	method	limit/base	current	history1	history2
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Acid Number (AN)mg KOH/gASTM D80450.1350.060.1120.085VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONEMODERVLITESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEGNEG	Potassium	ppm	ASTM D5185m	>20	0	0	0
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Debrisscalar*VisualNONENONEMODERVLITESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGNEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG ocative@GDALE K - UQE@MWES	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	ocationEGDALE k	- UNDEGMWES



# **OIL ANALYSIS REPORT**



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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**JEMCO-MAXAIR** 

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