

WEAR CONTAMINATION FLUID CONDITION

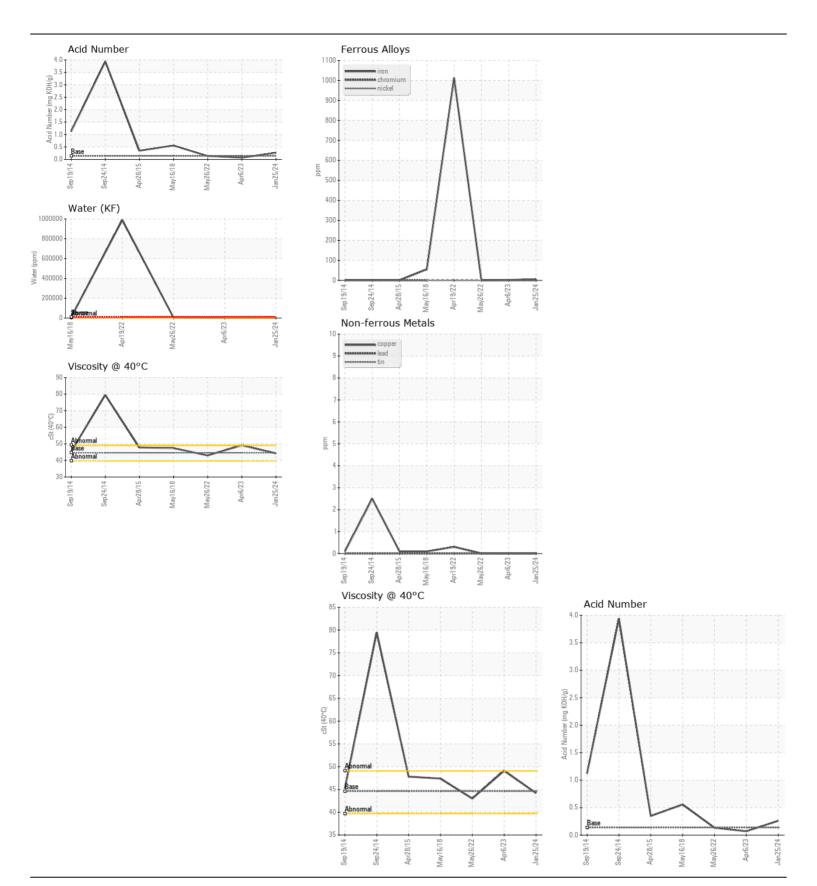
NORMAL NORMAL NORMAL

PALEXTRA 44

PALATEK 1401270002 - SWHEAT SCOOP

Component Compressor

Test U.O.M. Method Limitary Current History Limitary Limitary								
Oil and filter change at the time of sampling has been noted. Resamble at the next service interval to monitor. Collect Info Collect I	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date	Oil and filter change at the time of sampling has been noted. Resample	Sample Number		Client Info			UCS05821622	UCS05559681
Machine Age		Sample Date		Client Info		25 Jan 2024	06 Apr 2023	26 May 2022
Filter Age	at the next service interval to monitor.	Machine Age	hrs	Client Info		34575	32663	0
Pilter Changed Client Info Client Info Changed Not Changed		Oil Age	hrs	Client Info		1359	2000	200
Filter Changed Sample Status		Filter Age	hrs	Client Info		1359	2000	0
NoRMAL		Oil Changed		Client Info		Not Changd	Not Changd	N/A
Iron		Filter Changed		Client Info		Changed	Changed	N/A
All component wear rates are normal. Chromium ppm ASTM D6185m >10 0 0 0 0 0 0 0 0 0		Sample Status				NORMAL	NORMAL	ATTENTION
All component wear rates are normal. Chromium ppm ASTM D6185m >10 0 0 0 0 0 0 0 0 0	WEAR	Iron	nom	ASTM D5185m	>50	5	2	0
Nicke ppm ASTM DS185m 0 0 0 0 0 1 Titanium ppm ASTM DS185m 0 0 0 0 0 0 0 0 0								
Titanium ppm ASTM D5185m 0	All component wear rates are normal.				7.0			
Silver ppm ASTM DS185m 25 0 0 0 0 0 0 0 0 0								
Aluminum ppm ASTM DS185m >25 0 0 0 0								
Lead					>25			
Copper						-		
Tin						-		
Vanadium Pym ASTM D5185m NONE NON						-		
White Metal Yellow Metal scalar Yellow Metal Visual Scalar NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE CONTAMINATION Silicon ppm ASTM D5185m pp					7.0	-		
Yellow Metal Scalar Visual NONE N					NONE	-		
Silicon ppm ASTM D5185m 25 <1 <1 1								
Potassium ppm ASTM D5185m >20 0 0 0 0 0 0 0 0 0								
Chlorine ppm ASTM D5185m	CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Chlorine	Moderate concentration of visible dirt/debris present in the oil.	Potassium	ppm	ASTM D5185m	>20	0	0	0
ppm Water ppm ASTM D6304 >1000 790 490 2890 2890 Silt scalar *Visual NONE NORML NORM		Chlorine	ppm	ASTM D5185m				
Silt Scalar Visual NONE NONE NONE NONE Debris Scalar Visual NONE Sand/Dirt Scalar Visual NONE NO		Water	%	ASTM D6304	>0.1	0.079	0.049	▲ 0.289
Debris Scalar *Visual NONE MODER MODER MODER Sand/Dirt Scalar *Visual NONE NORML NORML		ppm Water	ppm	ASTM D6304	>1000	790	490	▲ 2890
Sand/Dirt Scalar *Visual NONE NONE NONE Appearance Scalar *Visual NORML		Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance Scalar *Visual NORML NORML		Debris	scalar	*Visual	NONE	MODER	MODER	MODER
Odor Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual >0.1 0.2% 0.2% 0.2% 0.2%		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 0.2% 0.2% 0.2% 0.2%		Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 0 0 0 0		Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 0 0 0 0 0 0 0 0 5		Emulsified Water	scalar	*Visual	>0.1	0.2%	0.2%	0.2%
Boron ppm ASTM D5185m 0 0 0 0 0 0 5	FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	0
suitable for further service. Barium ppm ASTM D5185m 0.3 0 0 5 Molybdenum ppm ASTM D5185m 0 <1	The ANI level is accordable for this fivid. The condition of the cities		ppm	ASTM D5185m	0	0	0	0
Molybdenum ppm ASTM D5185m 0 <1	•	Barium	ppm	ASTM D5185m	0.3	0	0	5
Magnesium ppm ASTM D5185m 0.4 0 2 0 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 689 146 38 319 Zinc ppm ASTM D5185m 0 <1	Suitable for fulfiler service.	Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Magnesium ppm ASTM D5185m 0.4 0 2 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Phosphorus ppm ASTM D5185m 689 146 38 319 Zinc ppm ASTM D5185m 0 <1		-	ppm				<1	0
Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 689 146 38 319 Zinc ppm ASTM D5185m 0 <1		-		ASTM D5185m	0.4	0	2	0
Zinc ppm ASTM D5185m 0 <1		Calcium	ppm	ASTM D5185m	0	0	0	0
Sulfur ppm ASTM D5185m 1237 810 312 1121 Acid Number (AN) mg KOH/g ASTM D8045 0.135 0.26 0.07 0.133		Phosphorus	ppm	ASTM D5185m	689	146	38	319
Acid Number (AN) mg KOH/g ASTM D8045 0.135 0.26 0.07 0.133		Zinc	ppm	ASTM D5185m	0	<1	0	0
Acid Number (AN) mg KOH/g ASTM D8045 0.135 0.26 0.07 0.133		Sulfur		ASTM D5185m	1237	810	312	1121
		Acid Number (AN)	mg KOH/g	ASTM D8045	0.135	0.26		
		Visc @ 40°C		ASTM D445	44.62	44.2	49.1	43.0







Laboratory Sample No. Lab Number : 06088922

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCS06088922

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received Unique Number : 10876367

: 14 Feb 2024 Tested Diagnosed Test Package : IND 2 (Additional Tests: KF)

: 15 Feb 2024

: 15 Feb 2024 - Don Baldridge

Contact: DALE K dalek@jemco-maxair.com T: (701)281-0362

* - 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)

F: x:

JEMCO-MAXAIR

WEST FARGO, ND

US 58078