WEAR
CONTAMINATION
FLUID CONDITION

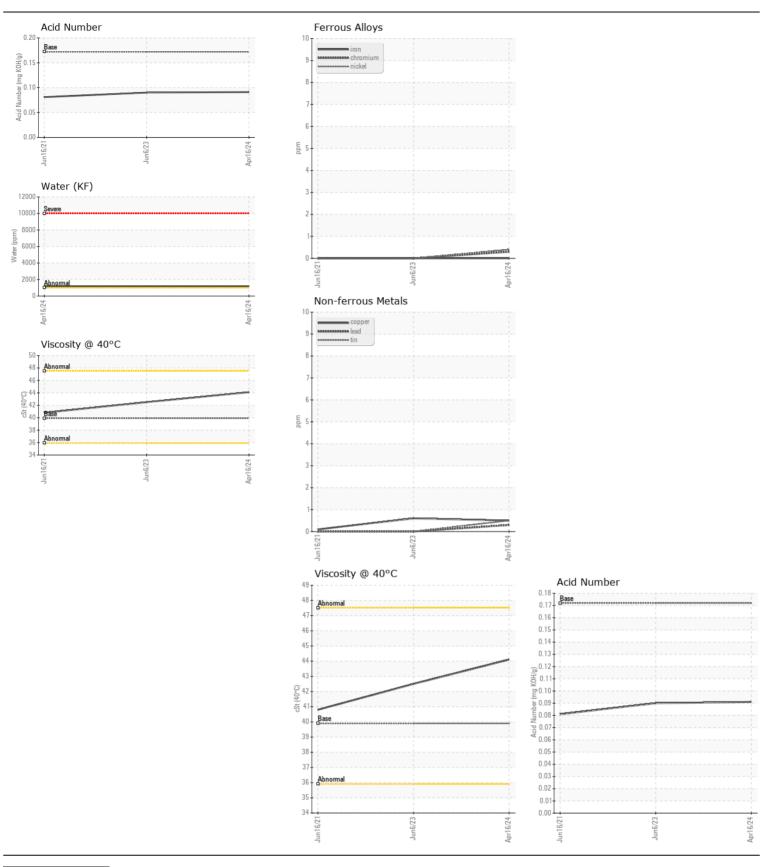
NORMAL NORMAL NORMAL

PALASYN 45

PALATEK 20GE001288 - KOST MATERIALS

Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number		Client Info		UCS06159236	UCS05879632	UCS05293128
	Sample Date		Client Info		16 Apr 2024	06 Jun 2023	16 Jun 2021
	Machine Age	hrs	Client Info		5854	4632	1855
	Oil Age	hrs	Client Info		1222	3000	1855
	Filter Age	hrs	Client Info		1222	3000	1855
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	0	0	0
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	0
	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	<1	0
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m		<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Appearance is hazy. There is a light concentration of water present in	Silicon	ppm	ASTM D5185m		1	1	1
	Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
						<u> </u>	
the oil.	Water	%	ASTM D6304	>0.1	0.118		
, ,	ppm Water	ppm	ASTM D6304	>1000	1180		
11 ,	ppm Water Silt	ppm scalar	ASTM D6304 *Visual	>1000 NONE	1180 NONE	 NONE	 NONE
11 ,	ppm Water Silt Debris	ppm scalar scalar	ASTM D6304 *Visual *Visual	>1000 NONE NONE	1180 NONE NONE	NONE	NONE MODER
11 ,	ppm Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	*Visual *Visual *Visual	>1000 NONE NONE NONE	1180 NONE NONE NONE	NONE NONE	NONE MODER NONE
11 ,	ppm Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	>1000 NONE NONE NONE NORML	1180 NONE NONE NONE HAZY	NONE NONE NONE NONE	NONE MODER NONE NORML
, ,	ppm Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	>1000 NONE NONE NONE NORML	1180 NONE NONE NONE HAZY NORML	NONE NONE NONE NORML	NONE MODER NONE NORML
11 ,	ppm Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	>1000 NONE NONE NONE NORML	1180 NONE NONE NONE HAZY	NONE NONE NONE NONE	NONE MODER NONE NORML
11 ,	ppm Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	>1000 NONE NONE NONE NORML	1180 NONE NONE NONE HAZY NORML	NONE NONE NONE NORML	NONE MODER NONE NORML
FLUID CONDITION	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>1000 NONE NONE NORML NORML >0.1	1180 NONE NONE NONE HAZY NORML 0.2%	NONE NONE NONE NORML NORML NEG	NONE MODER NONE NORML NORML NEG
the oil.	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m	>1000 NONE NONE NORML NORML >0.1	1180 NONE NONE NONE HAZY NORML 0.2%	NONE NONE NONE NORML NORML NEG	NONE MODER NONE NORML NORML NEG
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m	>1000 NONE NONE NORML NORML >0.1	1180 NONE NONE NONE HAZY NORML 0.2%	NONE NONE NONE NORML NORML NEG <1	NONE NONE NORML NORML NEG 0 <1
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1	1180 NONE NONE NONE HAZY NORML 0.2%	NONE NONE NORML NORML NEG <1 0	NONE NORML NORML NEG 0 <10
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0	1180 NONE NONE NONE HAZY NORML 0.2% <1 0	NONE NONE NORML NORML NEG <1 0 0 0	NONE NORML NORML NEG 0 <1 0
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0	1180 NONE NONE NONE HAZY NORML 0.2% <1 0	NONE NONE NONE NORML NORML NEG <1 0 0 0 0	NONE NONE NORML NORML NEG 0 <1 0 0 0
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0.0 0.0	1180 NONE NONE NONE HAZY NORML 0.2% <1 0 0 <1	NONE NONE NONE NORML NORML NEG <1 0 0 0 0 0	NONE NONE NORML NORML NEG 0 <1 0 0 0 0
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0 0 0.0 0.0 966	1180 NONE NONE NONE HAZY NORML 0.2% <1 0 <1 0 <1	NONE NONE NONE NORML NORML NEG <1 0 0 0 0 0 0	NONE NONE NORML NORML NEG 0 <1 0 0 0 0 0
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual *Tisua	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0.0 0.0 0.0 966	1180 NONE NONE NONE HAZY NORML 0.2% <1 0 <1 4 313	NONE NONE NONE NORML NORML NEG <1 0 0 0 0 0 561	NONE NONE NORML NORML NEG 0 <1 0 0 0 577
FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar scalar scalar scalar sppm ppm ppm ppm ppm ppm ppm ppm ppm pp	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>1000 NONE NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0.0 966 0 1309	1180 NONE NONE NONE HAZY NORML 0.2% <1 0 <1 4 313 17	NONE NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 561 0	NONE MODER NONE NORML NORML NEG 0 <1 0 0 0 577 0







Certificate L2367

Laboratory

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: UCS06159236 Lab Number : 06159236 Unique Number: 10994659

Tested Diagnosed

Received

: 24 Apr 2024

: 25 Apr 2024

: 26 Apr 2024 - Jonathan Hester

Test Package : IND 2 (Additional Tests: KF)

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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