WEAR CONTAMINATION FLUID CONDITION

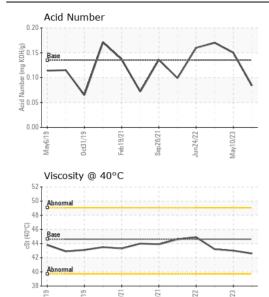
NORMAL NORMAL NORMAL

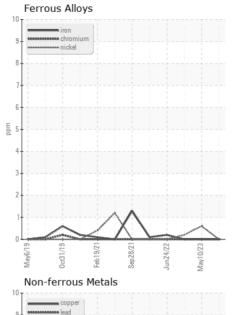
PALEXTRA 44 [W219987]

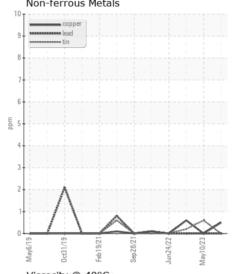
SULLIVAN PALATEK 1605240005 - CUSTOM CAST STONE

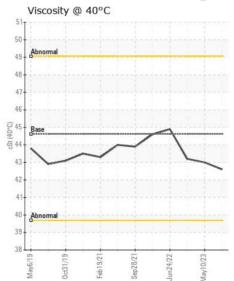
Component Compressor

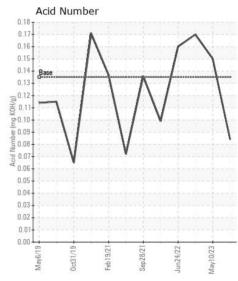
					-		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We suspect abnormal contamination may be due to sampling method. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		UCS06100223	UCH05851926	UCS05791067
	Sample Date		Client Info		16 Feb 2024	10 May 2023	08 Mar 2023
	Machine Age	hrs	Client Info		66939	60173	58661
	Oil Age	hrs	Client Info		6000	0	6123
	Filter Age	hrs	Client Info		1900	0	2000
	Oil Changed		Client Info		Not Changd	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	0	0	0
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	710	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	0	<1	<1
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	nnm	ASTM D5185m	-25	_1	2	1
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1	2	1
Moderate concentration of visible dirt/debris present in the oil.	Potassium	ppm	ASTM D5185m	>20	0	<1	<1
	Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	0 NEG	<1 NEG	<1 NEG
	Potassium Water Silt	ppm	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	0 NEG NONE	<1 NEG NONE	<1 NEG NONE
	Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	0 NEG NONE MODER	<1 NEG NONE MODER	<1 NEG NONE MODER
	Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE NONE	0 NEG NONE MODER NONE	<1 NEG NONE MODER NONE	<1 NEG NONE MODER
	Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE NORML	0 NEG NONE MODER NONE	<1 NEG NONE MODER NONE	<1 NEG NONE MODER NONE
	Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE NONE	0 NEG NONE MODER NONE NORML	<1 NEG NONE MODER NONE	<1 NEG NONE MODER
Moderate concentration of visible dirt/debris present in the oil.	Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE NORML	0 NEG NONE MODER NONE	<1 NEG NONE MODER NONE NORML	<1 NEG NONE MODER NONE NORML
	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML NEG	<1 NEG NONE MODER NONE NORML NORML NEG	<1 NEG NONE MODER NONE NORML NORML NEG
Moderate concentration of visible dirt/debris present in the oil.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML NEG 1	<1 NEG NONE MODER NONE NORML NORML NEG <1 0	<1 NEG NONE MODER NONE NORML NORML NEG 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML NEG 1 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0	<1 NEG NONE MODER NONE NORML NORML NEG 0 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML 0 0 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 0	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML NEG 1 0 0 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE MODER NONE NORML NORML 0 0 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1 2	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 <1
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual	>20 >0.1 NONE NONE NORML NORML >0.1 0 0.3 0 0.3 0.4	0 NEG NONE MODER NONE NORML NORML 0 0 0 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1 2 0	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 0 <1 0 <1 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual	>20 >0.1 NONE NONE NORML NORML >0.1 0 0.3 0 0.3 0.4 0 689	0 NEG NONE MODER NONE NORML NORML O 0 0 0 0 526	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1 2 0 651	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 0 <1 0 628
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar sppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual	>20 >0.1 NONE NONE NORML NORML >0.1 0 0.3 0 0.3 0.4 0 689 0	0 NEG NONE MODER NONE NORML NORML NEG 1 0 0 0 0 526 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1 2 0 651 0	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 0 <1 0 628 0
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	scalar scalar scalar scalar scalar scalar sppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 0 0.3 0 0.4 0 689 0 1237	0 NEG NONE MODER NONE NORML NORML O 0 0 0 0 0 526 0 584	<1 NEG NONE MODER NORML NORML NEG <1 0 0 <1 2 0 651 0 964	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 <1 0 628 0 792
Moderate concentration of visible dirt/debris present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar sppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Tisual	>20 >0.1 NONE NONE NORML NORML >0.1 0 0.3 0 0.3 0.4 0 689 0 1237 0.135	0 NEG NONE MODER NONE NORML NORML NEG 1 0 0 0 0 526 0	<1 NEG NONE MODER NONE NORML NORML NEG <1 0 0 <1 2 0 651 0	<1 NEG NONE MODER NONE NORML NORML NEG 0 0 0 0 <1 0 628 0













Certificate L2367

Laboratory Sample No.

Test Package : IND 2

: UCS06100223 Lab Number : 06100223 Unique Number : 10898453

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Feb 2024 **Tested**

Diagnosed

: 27 Feb 2024 : 28 Feb 2024 - Jonathan Hester

BREHOB INDIANAPOLIS, IN

US 46225

Contact: DERRIN FOSTER

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)

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