

WEAR CONTAMINATION FLUID CONDITION

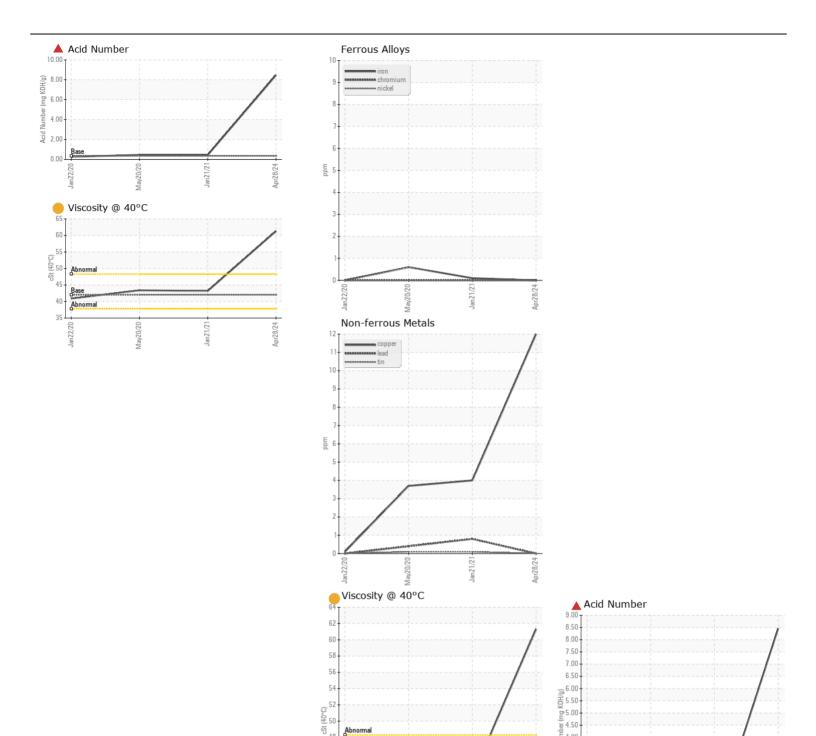
NORMAL NORMAL SEVERE

FG32

SULLIVAN PALATEK 19LE000689 - COMP 1 - TAYLOR FARMS SCHILLINGS

Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for a possible overheat condition. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.	Sample Number		Client Info		UCS06211815	UCS05194204	UCS05194231
	Sample Date		Client Info		28 Apr 2024	21 Jan 2021	20 May 2020
	Machine Age	hrs	Client Info		30571	10307	4409
	Oil Age	hrs	Client Info		0	1000	0
	Filter Age	hrs	Client Info		0	1000	1000
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	0	<1	<1
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	0	0	0
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	0	0	0
	Lead	ppm	ASTM D5185m	>25	0	<1	<1
	Copper	ppm	ASTM D5185m	>50	12	4	4
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon		AOTA DETOE				
CONTAININATION	SIIICOH	ppm	ASTM D5185m	>25	<1	0	0
	Potassium	ppm	ASTM D5185m ASTM D5185m		<1 <1	0	0 <1
There is no indication of any contamination in the oil.							
	Potassium		ASTM D5185m	>20	<1	0	<1
	Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	<1 NEG	0 NEG	<1 NEG
	Potassium Water Silt	ppm	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	<1 NEG NONE	0 NEG NONE	<1 NEG NONE
	Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	<1 NEG NONE NONE	0 NEG NONE LIGHT	<1 NEG NONE LIGHT
	Potassium Water Silt Debris Sand/Dirt	scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	<1 NEG NONE NONE	0 NEG NONE LIGHT NONE	<1 NEG NONE LIGHT NONE NORML
	Potassium Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE NORML	<1 NEG NONE NONE NONE	0 NEG NONE LIGHT NONE NORML	<1 NEG NONE LIGHT NONE NORML
There is no indication of any contamination in the oil.	Potassium Water Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	0 NEG NONE LIGHT NONE NORML	<1 NEG NONE LIGHT NONE NORML
There is no indication of any contamination in the oil. FLUID CONDITION	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORE NORML NORML >0.1	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE LIGHT NONE NORML NORML NEG	<1 NEG NONE LIGHT NONE NORML NORML
There is no indication of any contamination in the oil.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar 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	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE LIGHT NONE NORML NORML NEG	<1 NEG NONE LIGHT NONE NORML NORML NEG
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	<1 NEG NONE NONE NONE NORML NORML NEG 6	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0	<1 NEG NONE LIGHT NONE NORML NORML NEG 3
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	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	>20 >0.1 NONE NONE NORML NORML >0.1 1 0.3 0	<1 NEG NONE NONE NORML NORML NEG 6 0 2	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0	<1 NEG NONE LIGHT NONE NORML NORML NEG 3 0
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm 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	<1 NEG NONE NONE NORML NORML NEG 6 0 2	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0	<1 NEG NONE LIGHT NONE NORML NORML NEG 3 0 0
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm 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 1 0.3 0 0	<1 NEG NONE NONE NONE NORML NORML NEG 6 0 2 0 <1	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 <1	<1 NEG NONE LIGHT NONE NORML NORML NEG 3 0 0 <1
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm 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 1 0.3 0 0 0 0.5	<1 NEG NONE NONE NORML NORML NEG 6 0 2 0 <1 0	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 <1 0 <1 0	<1 NEG NONE LIGHT NONE NORML NORML NEG 3 0 0 <1 <1 <1
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar 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 1 0.3 0 0 0 0 0.5 536	<1 NEG NONE NONE NORML NORML NEG 6 0 2 0 <1 0 <1	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 <1 0 0 <1 0 0	<1 NEG NONE LIGHT NONE NORML NORML NEG 0 0 <1 <1 0
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 *Notable Method *Tisual *ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 1 0.3 0 0 0 0.5 536 0.2	<1 NEG NONE NONE NONE NORML NORML NEG 0 2 0 <1 0 <1 101	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 <1 0 404	<1 NEG NONE LIGHT NONE NORML NORML NEG 0 0 <1 <1 0 384
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is above the recommended limit. The oil viscosity is higher than normal. TAN level indicates possible presence of varnish.	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar 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 *STM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 1 0.3 0 0 0 0.5 536 0.2	<1 NEG NONE NONE NONE NORML NORML NEG 0 2 0 <1 0 <1 101 6	0 NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 <1 0 404 1	<1 NEG NONE LIGHT NONE NORML NORML NEG 3 0 0 <1 <1 0 384 13







Certificate L2367

Laboratory Sample No.

Lab Number : 06211815 Unique Number : 11084679

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCS06211815

38

36

Received **Tested** Test Package : IND 2

: 17 Jun 2024 : 18 Jun 2024 : 19 Jun 2024 - Don Baldridge Diagnosed

Jan21/21

COMPLETE ENGINEERED SOLUTIONS - CES 4772 FRONTIER WAY UNIT 400

STOCKTON, CA US 95215

Contact: CHRISTO GINGRAS

christo@complete-es.net T: (800)701-3196

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (209)753-4211

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.

4.00 3.00 2.50 2.00 1.50 1.00

0.50

0.00