WEAR
CONTAMINATION
FLUID CONDITION

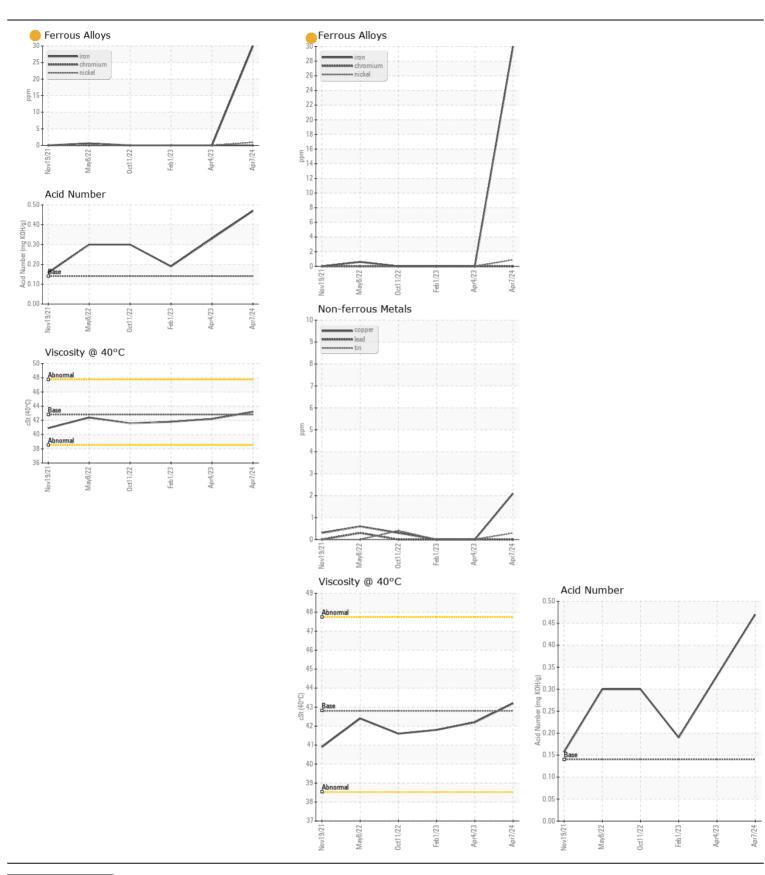
NORMAL NORMAL

PAL 32

## 21GE002364 - DOUBLE GOOD

Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		UCS06150514	UCS05815443	UCS05759503
	Sample Date		Client Info		07 Apr 2024	04 Apr 2023	01 Feb 2023
	Machine Age	hrs	Client Info		15249	9040	7803
	Oil Age	hrs	Client Info		3000	3500	7803
	Filter Age	hrs	Client Info		3000	3500	0
	Oil Changed		Client Info		Not Changd	Changed	Not Changd
	Filter Changed		Client Info		Not Changd	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>50	<b>3</b> 0	0	0
An increase in the iron level is noted. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	710	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>25	1	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		2	0	0
	Tin	ppm	ASTM D5185m		<1	0	0
	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	0	0
	Silicon	ppm	ASTIVI DOTOSITI	>20	< i		U
	Potoccium	nnm	ACTM DE195m	> 20	2		0
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2 NEG	<1	0 NEG
There is no indication of any contamination in the oil.	Water		WC Method	>0.1	NEG	<1 NEG	NEG
There is no indication of any contamination in the oil.	Water Silt	scalar	WC Method *Visual	>0.1 NONE	NEG NONE	<1 NEG NONE	NEG NONE
There is no indication of any contamination in the oil.	Water Silt Debris	scalar	WC Method  *Visual  *Visual	>0.1 NONE NONE	NEG NONE NONE	<1 NEG NONE NONE	NEG NONE LIGHT
There is no indication of any contamination in the oil.	Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method  *Visual  *Visual  *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE	<1 NEG NONE NONE	NEG NONE LIGHT NONE
There is no indication of any contamination in the oil.	Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method  *Visual  *Visual  *Visual  *Visual	>0.1 NONE NONE NONE NORML	NEG NONE NONE NONE	<1 NEG NONE NONE NONE	NEG NONE LIGHT NONE NORML
There is no indication of any contamination in the oil.	Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method  *Visual  *Visual  *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE	<1 NEG NONE NONE	NEG NONE LIGHT NONE
, 	Water Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual	>0.1  NONE  NONE  NONE  NORML  NORML	NEG NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	NEG NONE LIGHT NONE NORML
There is no indication of any contamination in the oil.  FLUID CONDITION	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NONE NORML NORML	<1 NEG NONE NONE NONE NORML NORML NEG	NEG NONE LIGHT NONE NORML NORML NEG
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG 3	<1 NEG NONE NONE NONE NORML NORML NEG 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0
FLUID CONDITION	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m  ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG 3 0	<1 NEG NONE NONE NONE NORML NORML NEG  0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m  ASTM D5185m  ASTM D5185m	>0.1 NONE NONE NONE NORML NORML >0.1  1 730 0	NEG NONE NONE NORML NORML NEG 3 0	<1 NEG NONE NONE NORML NORML NEG 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water  Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1  1 730 0 0.0	NEG NONE NONE NORML NORML NEG 3 0 0	<1 NEG NONE NONE NONE NORML NORML NEG 0 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	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	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m	>0.1 NONE NONE NONE NORML NORML >0.1  1 730 0 0.0 0	NEG NONE NONE NORML NORML NEG 3 0 0 2	<1 NEG NONE NONE NORML NORML NEG  0 0 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	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	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1  1 730 0 0.0 0	NEG NONE NONE NORML NORML NEG 3 0 2 2 6	<1 NEG NONE NONE NORML NORML NEG  0 0 0 0 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	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	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1  1 730 0 0.0 0 0	NEG NONE NONE NORML NORML NEG 3 0 0 2 2 6 413	<1 NEG NONE NONE NONE NORML NORML NEG  0 0 0 0 0 331	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0 0 379
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1  1 730 0 0 0 0 0 0	NEG NONE NONE NORML NORML NEG 3 0 0 2 2 6 413 0	<1 NEG NONE NONE NONE NORML NORML NEG  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0 0 379 0
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	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 ppm ppm ppm ppm ppm ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m  ASTM D5185m	>0.1 NONE NONE NONE NORML NORML >0.1  1 730 0 0 0 0 0 0 590	NEG NONE NONE NORML NORML NEG 3 0 0 2 2 6 413 0 1560	<1 NEG NONE NONE NONE NORML NORML NEG  0 0 0 0 0 0 0 973	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0 10 1031
FLUID CONDITION  The AN level is acceptable for this fluid. The condition of the oil is	Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  *Visual  ASTM D5185m	>0.1 NONE NONE NONE NORML NORML >0.1  1 730 0 0.0 0 0 0 0 0 0 1 590 0.14	NEG NONE NONE NORML NORML NEG 3 0 0 2 2 6 413 0	<1 NEG NONE NONE NONE NORML NORML NEG  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NEG NONE LIGHT NONE NORML NORML NEG <1 0 0 0 0 0 0 379 0







Certificate L2367

Report Id: UCHARMEL [WUSCAR] 06150514 (Generated: 04/18/2024 15:15:26) Rev: 1

Laboratory Sample No.

Lab Number : 06150514 Unique Number : 10980592

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCS06150514 Test Package : IND 2

Received **Tested** Diagnosed

: 16 Apr 2024 : 17 Apr 2024

: 18 Apr 2024 - Don Baldridge

HARRIS EQUIPMENT 2040 N HAWTHORNE MELROSE PARK, IL US 60160

Contact: J.P. PEDERSEN jpedersen@harrisequipment.com

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)

F:

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