WEAR CONTAMINATION FLUID CONDITION

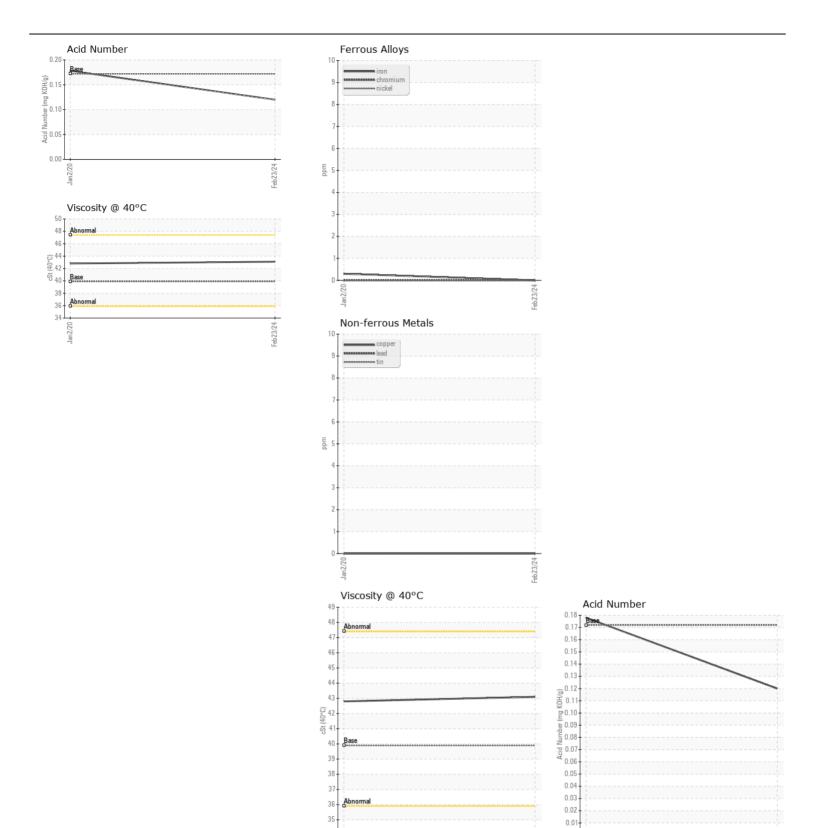
NORMAL NORMAL NORMAL

PALASYN 45

INGERSOLL RAND KE1469U95153 - CHAMP INDUSTRIES

Component Compressor

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06123850	UCS04895717	
Sample Date		Client Info		23 Feb 2024	02 Jan 2020	
Machine Age	hrs	Client Info		64649	61669	
Oil Age	hrs	Client Info		1000	2000	
Filter Age	hrs	Client Info		1000	2000	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
Iron	nnm	ASTM D5185m	<u> </u>	0	<i>-</i> 1	
			>10			
			\25			
			/10			
			NONE			
Silicon	ppm	ASTM D5185m	>25	6	2	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water		WC Method	>0.1	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	MODER	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar		NORML	NORML		
Odor	scalar	*Visual	NORML			
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185m		0	0	
Boron	ppm	ASTM D5185m	0.0	0	0	
Barium	ppm	ASTM D5185m	0.0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	0	0	0	
Magnesium	ppm	ASTM D5185m	0.0	0	0	
Calcium	ppm	ASTM D5185m	0.0	0	0	
		ASTM D5185m	966	495	433	
Phosphorus	ppm	ASTIVI DOTOSIII	000	.00		
	ppm ppm	ASTM D5185m		0	0	
Phosphorus			0			
Phosphorus Zinc	ppm	ASTM D5185m	0 1309	0	0	
_	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	Sample Number Sample Date Machine Age hrs Oil Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Mrs Oil Age hrs Nrs Oil Age hrs Nrs Oil Age Nrs Oil Changed Ppm Coppm Ppm Nickel ppm Nickel ppm Ppm Nickel ppm Nickel ppm Nickel ppm Nickel ppm Nickel ppm Naluminum ppm Vanadium ppm Vanadium ppm Vanadium ppm Notassium ppm	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Oil Changed Filter Age Oil Changed Filter Changed Client Info Sample Status Iron Ppm ASTM D5185m Nickel Ppm ASTM D5185m Nickel Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Lead Ppm ASTM D5185m Copper Ppm ASTM D5185m Tin Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Valual Silicon Ppm ASTM D5185m Vater WC Method Silt Scalar Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Visual Sand/Dirt Scalar Scalar Scalar Scalar Visual Sand/Dirt Scalar Scalar Scalar Scalar Appearance Scalar Scalar Scalar Scalar Appearance Scalar Scalar Scalar Scalar Appearance Scalar Sc	Sample Number Sample Date Client Info Machine Age Inrs Oil Age Inrs Oil Age Inrs Oil Client Info Oil Changed Client Info Oil Changed Client Info Filter Changed Sample Status Iron Ppm ASTM D5185m Silver Aluminum Ppm ASTM D5185m Silver Ppm ASTM D5185m Silver Ppm ASTM D5185m Silver ASTM D5185m Silver Ppm ASTM D5185m Silver ASTM D5185m Silver Ppm ASTM D5185m Silver Ppm ASTM D5185m Silver NONE Siltandium Ppm ASTM D5185m S10 Vanadium Ppm ASTM D5185m S20 Vater Visual NONE Silt Scalar Visual NONE Silt Scalar Visual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Visual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Avisual NONE Sand/Dirt Scalar Visual NONE Appearance Scalar Avisual NORML Emulsified Water Scalar ASTM D5185m O.0 Barium Ppm ASTM D5185m O.0 Molybdenum Ppm ASTM D5185m O.0 ASTM D5185m O.0 Manganese Ppm ASTM D5185m O.0	Sample Number Client Info UCS06123850 Sample Date Client Info 23 Feb 2024 Machine Age hrs Client Info 64649 Oil Age hrs Client Info 1000 Filter Age hrs Client Info Changed Gilent Info Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL NORMAL Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >0 0 Aluminum ppm ASTM D5185m >25 0 Lead ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >25 0 Tin ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m </th <th>Sample Number Client Info UCS06123850 UCS064895717 Sample Date Client Info 23 Feb 2024 02 Jan 2020 Machine Age hrs Client Info 64649 61669 Oil Age hrs Client Info 1000 2000 Filter Age hrs Client Info Changed Changed Oil Changed Client Info Changed Changed Filter Changed Client Info Changed Changed Sample Status NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >50 0 <1 Chromium ppm ASTM D5185m >10 0 0 Nickel ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >0 0 0 Aluminum ppm ASTM D5185m >25 0 0 Lead ppm ASTM D5185m >50 0 0 Vanadium ppm</th>	Sample Number Client Info UCS06123850 UCS064895717 Sample Date Client Info 23 Feb 2024 02 Jan 2020 Machine Age hrs Client Info 64649 61669 Oil Age hrs Client Info 1000 2000 Filter Age hrs Client Info Changed Changed Oil Changed Client Info Changed Changed Filter Changed Client Info Changed Changed Sample Status NORMAL NORMAL NORMAL Iron ppm ASTM D5185m >50 0 <1 Chromium ppm ASTM D5185m >10 0 0 Nickel ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >0 0 0 Aluminum ppm ASTM D5185m >25 0 0 Lead ppm ASTM D5185m >50 0 0 Vanadium ppm







Certificate L2367

Report Id: UCJEMWES [WUSCAR] 06123850 (Generated: 03/27/2024 16:01:41) Rev: 1

Laboratory Sample No.

Lab Number : 06123850 Unique Number : 10938001

: UCS06123850

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Mar 2024 : 21 Mar 2024 **Tested**

: 22 Mar 2024 - Don Baldridge Diagnosed

0.00

WEST FARGO, ND US 58078 Contact: DALE K

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

JEMCO-MAXAIR

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: x: