WEAR CONTAMINATION FLUID CONDITION

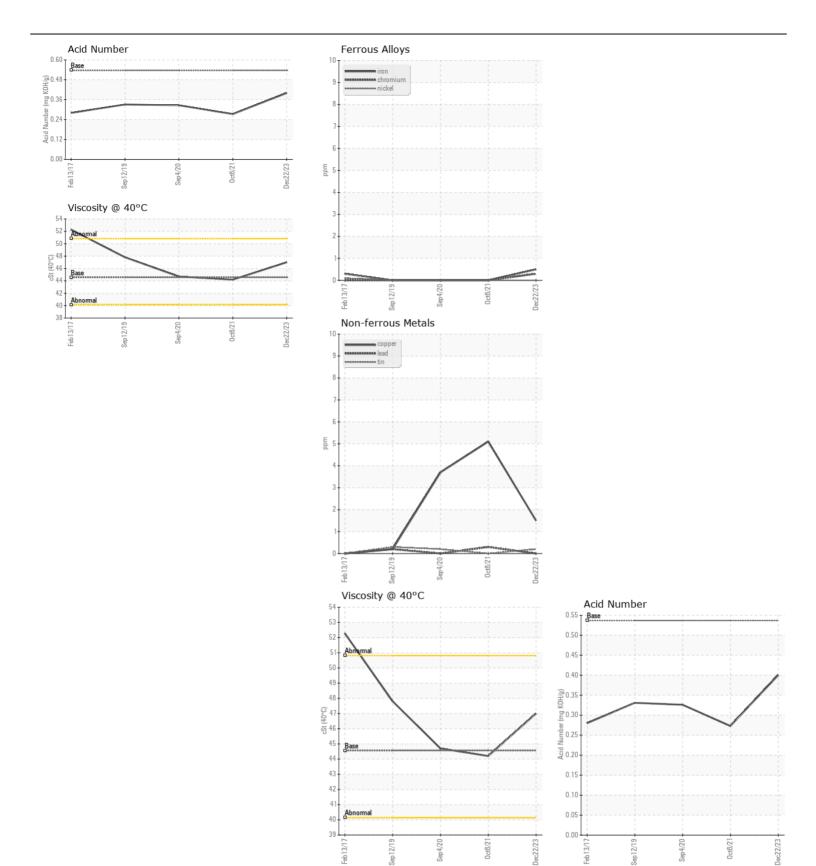
NORMAL NORMAL

DPO [7298]

INGERSOLL RAND PX0317U02182 - RELIABLE MACHINE AND MANUFACTURING

Component Compressor

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06061286	UCH05376537	UCH05066157
Sample Date		Client Info		22 Dec 2023	08 Oct 2021	04 Sep 2020
Machine Age	hrs	Client Info		11378	63667	54798
Oil Age	hrs	Client Info		0	2780	7775
Filter Age	hrs	Client Info		0	2780	7775
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	1	0
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	5	4
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	nnm	ASTM D5185m	>25	0	<1	<1
						0
	le le					NEG
	scalar					NONE
Debris	scalar	*Visual		NONE	VLITE	NONE
Sand/Dirt	scalar	*Visual		NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm		0.1	0	<1	<1
Barium	ppm	ASTM D5185m	0.8	0	0	2
Molybdenum	ppm			<1	0	0
Manganese	ppm	ASTM D5185m	0.9	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	409	194	269	252
Zinc	ppm	ASTM D5185m	0	23	55	43
ZITIC						
Sulfur	ppm	ASTM D5185m	1290	520	656	209
	ppm mg KOH/g	ASTM D5185m ASTM D8045		520 0.40	656 0.273	209 0.326
	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 Magnesium Calcium	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 Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Magnesium ppm	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Sample Status Chromium Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Copper Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Valel Visual Silicon Ppm ASTM D5185m Vater Visual Silicon Ppm ASTM D5185m Vater VC Method Silt Scalar Scalar Visual Appearance Scalar Avisual Sand/Dirt Scalar Appearance Scalar Scalar Avisual Scalar Appearance Scalar Avisual Scalar Appearance Appearance Appearance	Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >50 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >25 Titanium ppm ASTM D5185m >25 Lead ppm ASTM D5185m >25 Copper ppm ASTM D5185m >25 Copper ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >20 Tin ppm ASTM D5185m >20 Water WC Method >0.1 Silt scalar *Visual NONE Silt scalar *Visual NONE Sand/Dirt scalar *Visual NORML Sand/Dirt scalar *Visual NORML Sodium ppm ASTM D5185m 0.1 Sodium ppm ASTM D5185m 0.8 Molybdenum ppm ASTM D5185m 0.9 Manganese ppm ASTM D5185m 0.9 Manganese ppm ASTM D5185m 0.9 Manganese ppm ASTM D5185m 0.9 Manganesium ppm ASTM D5185m 0.9	Sample Number Client Info UCH06061286 Sample Date Client Info 22 Dec 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >50 <1 Chromium ppm ASTM D5185m >50 <1 Nickel ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m >25 2 Lead ppm ASTM D5185m >25 2 Lead ppm ASTM D5185m >25 2 Copper ppm ASTM D5185m >50 2 Tin ppm ASTM D5185m >15 <1	Sample Number Client Info UCH06061286 UCH05376537 Sample Date Client Info 22 Dec 2023 08 Oct 2021 Machine Age hrs Client Info 0 2780 Oil Age hrs Client Info 0 2780 Filter Age hrs Client Info 0 2780 Oil Changed Client Info Changed Not Changed Filter Changed Client Info Changed NoRMAL Sample Status Client Info Changed NoRMAL Iron ppm ASTM D5185m >50 <1 0 Sample Status VASTM D5185m >50 <1 0 0 Chromium ppm ASTM D5185m >10 <1 0 0 Siker ppm ASTM D5185m >10 <1 0 <1 Aluminum ppm ASTM D5185m >25 2 1 0 Aluminum ppm ASTM D5185m >50 2 5







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 06061286 : 10832668 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCH06061286 Recieved : 16 Jan 2024

Diagnostician

Diagnosed : 17 Jan 2024 : Don Baldridge **DELTA INDUSTRIES - CEDAR RAPIDS**

6540 4TH ST SW CEDAR RAPIDS, IA US 52404

F: (319)862-2501

Contact: MICHAEL FERRIS wearcheck@deltaind.net T: (319)862-2500

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)