

OIL ANALYSIS REPORT

PD-04 [1980935]

AC 1 Component Compressor

ATLAS COPCO ROTO XTEND (22 GAL)

Sample Rating Trend

NORMAL



Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Annual oil sample)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date Client Info 23 May 2024 04 Mar 2023 15 Sep 2022 Machine Age hrs Client Info 0 0 2273 2220 Not Changd NoRMAL NORMAL							
Sample Date Client Info 23 May 2024 04 Mar 2023 15 Sep 2022	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age	Sample Number		Client Info		WC0928816	WC0762636	WC0732578
Dit Changed	Sample Date		Client Info		23 May 2024	04 Mar 2023	15 Sep 2022
Not Change	Machine Age	hrs	Client Info		170627	168248	168195
NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2	Oil Age	hrs	Client Info		0	2273	2220
NORMAL NORMAL NORMAL NORMAL WEAR METALS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Chromium	Sample Status				NORMAL	NORMAL	NORMAL
Chromium	WEAR METALS		method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>50	<1	<1	<1
ASTM D5185m O	Chromium	ppm	ASTM D5185m	>5	<1	0	0
Silver	Nickel	ppm	ASTM D5185m		<1	0	<1
Aluminum	Titanium	ppm	ASTM D5185m		<1	0	0
December December	Silver	ppm	ASTM D5185m		0	0	0
December December	Aluminum	ppm	ASTM D5185m	>15	1	0	0
ASTM D5185m STM D5185m ST	Lead				<1	0	0
ASTM D5185m >10	Copper		ASTM D5185m	>65	<1	<1	<1
Aranadium ppm ASTM D5185m <1 0 <1 Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m <1 0 0 0 Molybdenum ppm ASTM D5185m <1 0 0 0 Manganese ppm ASTM D5185m 0 0 0 0 Manganesium ppm ASTM D5185m 3 0 0 0 Phosphorus ppm ASTM D5185m 3 0 0 0 Phosphorus ppm ASTM D5185m 177 9 28 22 Zince ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Bodi	Tin						
Cadmium ppm ASTM D5185m <1 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m <1 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 41 0 0 0 Calcium ppm ASTM D5185m 17 9 28 28 Zinc ppm ASTM D5185m 6 5 4 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1 <1 1 Coldium ppm ASTM D5185m >35 <1 <1 <1	Vanadium		ASTM D5185m		<1	0	<1
Boron ppm ASTM D5185m 0 0 0 0 0 0 0 0 0	Cadmium				<1	0	
Sarium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m <1 0 0 Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m <1	Boron	ppm	ASTM D5185m		0	0	0
Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m <1 0 0 Calcium ppm ASTM D5185m 3 0 0 Phosphorus ppm ASTM D5185m 17 9 28 Zinc ppm ASTM D5185m 6 5 4 Sulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1	Barium	ppm	ASTM D5185m		<1	0	0
Manganese ppm ASTM D5185m 0 0 0 Magnesium ppm ASTM D5185m <1 0 0 Calcium ppm ASTM D5185m 3 0 0 Phosphorus ppm ASTM D5185m 17 9 28 Zinc ppm ASTM D5185m 6 5 4 Sulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1 <1 1 Sodium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 <1 NEG Valer % ASTM D5185m >20 2 <1 <1 NE	Molybdenum	ppm	ASTM D5185m		<1	0	0
Magnesium ppm ASTM D5185m <1 0 0 Calcium ppm ASTM D5185m 3 0 0 Phosphorus ppm ASTM D5185m 17 9 28 Zinc ppm ASTM D5185m 6 5 4 Sulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1 <1 1 Bodium ppm ASTM D5185m >35 <1 <1 1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Manganese		ASTM D5185m		0	0	0
Calcium ppm ASTM D5185m 3 0 0 Phosphorus ppm ASTM D5185m 17 9 28 Zinc ppm ASTM D5185m 6 5 4 Sulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1	Magnesium		ASTM D5185m		<1	0	0
Phosphorus ppm ASTM D5185m 17 9 28 Zinc ppm ASTM D5185m 6 5 4 Sulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >35 <1 <1 1 Sodium ppm ASTM D5185m >35 <1 <1 1 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 <1 Water % ASTM D5185m >20 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>Calcium</td> <td></td> <td>ASTM D5185m</td> <td></td> <th></th> <td>0</td> <td>0</td>	Calcium		ASTM D5185m			0	0
CONTAMINANTS	Phosphorus		ASTM D5185m			9	28
Gulfur ppm ASTM D5185m 0 48 38 CONTAMINANTS method limit/base current history1 history2 Gilicon ppm ASTM D5185m >35 <1 <1 1 Godium ppm ASTM D5185m >35 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 <1 Water % ASTM D6185m >20 2 <1 <1 <1 <1 <1 <2 <2 <1 <1 MEG NEG	Zinc		ASTM D5185m		6	5	4
Silicon ppm ASTM D5185m >35 <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 <1 Potassium ppm ASTM D5185m >20 2 <1 <1 Potassium ppm ASTM D6304 >0.1 NEG	Sulfur				-		38
Sodium ppm ASTM D5185m <1 <1 2 Potassium ppm ASTM D5185m >20 2 <1 <1 Nater % ASTM D6304 >0.1 NEG NEG NEG FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.04 0.15 0.13 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Drecipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 <1 <1 Mater % ASTM D6304 >0.1 NEG	Silicon	ppm	ASTM D5185m	>35	<1	<1	1
Mater	Sodium	ppm	ASTM D5185m		<1	<1	2
FLUID DEGRADATION method limit/base current history1 history2 Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.04 0.15 0.13 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Derecipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dedor scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML	Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Acid Number (AN) mg KOH/g ASTM D8045 0.14 0.04 0.15 0.13 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Dodor scalar *Visual NORML NORML NORML NORML NORML NORML	Water	%	ASTM D6304	>0.1	NEG	NEG	NEG
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML	Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.04	0.15	0.13
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORML	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE NONE Scalar *Visual NONE NONE NONE NONE NONE NONE Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	White Metal						
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Odor scalar *Visual NORML NORML NORML NORML	Yellow Metal	scalar	*Visual	NONE		NONE	NONE
Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML Ddor scalar *Visual NORML NORML NORML NORML	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE NONE Appearance scalar *Visual NORML NORML NORML NORML NORML NORML NORML	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance scalar *Visual NORML NORML NORML NORML NORML NORML NORML NORML NORML	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor scalar *Visual NORML NORML NORML NORML	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

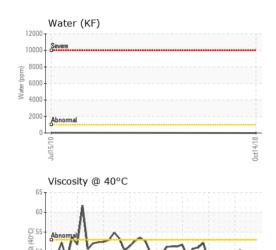
Submitted By: KEITH SECHULTE

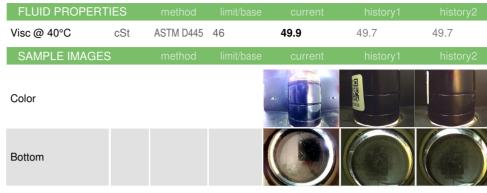
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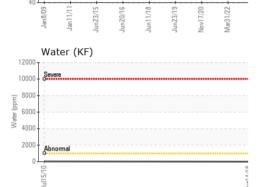
scalar *Visual

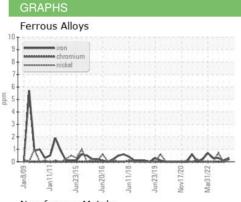


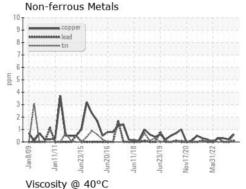
OIL ANALYSIS REPORT

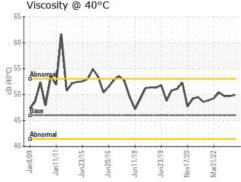


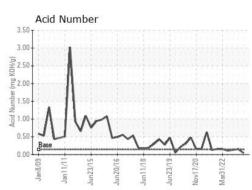
















Certificate 12367

Laboratory Sample No.

Lab Number : 06198304 Unique Number : 11060427

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0928816

Received **Tested** Diagnosed

: 03 Jun 2024 : 05 Jun 2024

: 05 Jun 2024 - Jonathan Hester

Test Package : IND 2 (Additional Tests: KF)

US 80701 Contact: KEITH SCHULTE kschulte@leprinofoods.com

2400 EAST BEAVER AVE

LEPRINO FOODS-FORT MORGAN

T: (970)542-4247 F: (970)542-4241

FORT MORGAN, CO

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)