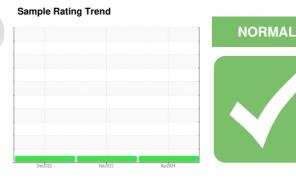


OIL ANALYSIS REPORT

PALASYN 45 PALATEK 151023004 - GENEVA LANDFILL

Component Compressor



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

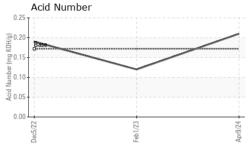
Fluid Condition

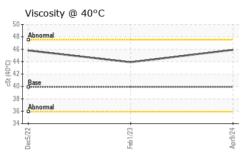
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 72199 61849 60458 Oil Age hrs Client Info 2303 1391 4121 Oil Changed Client Info Not Changd Not Changed Changed Sample Status NoRMAL NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history1 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 0 0 Iron ppm ASTM D5185m >10 0 0 0 Iron ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >25 <1	Sample Number		Client Info		UCS06152128	UCS05762949	UCS05712429
Oil Age hrs Client Info 2303 1391 4121 Oil Changed Sample Status Client Info Not Changd NORMAL Not Changd NORMAL Changed Changed NORMAL CONTAMINATION method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 0 0 Iron ppm ASTM D5185m >50 0 0 0 Iron ppm ASTM D5185m >10 0 0 0 Iron ppm ASTM D5185m >10 0 0 0 Iron ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1	Sample Date		Client Info		09 Apr 2024	01 Feb 2023	05 Dec 2022
Oil Changed Sample Status Client Info Not Changd NORMAL Not Changd NORMAL Changed NORMAL Changed NORMAL NORMAL	Machine Age	hrs	Client Info		72199	61849	60458
NORMAL NORMAL NORMAL NORMAL NORMAL	Oil Age	hrs	Client Info		2303	1391	4121
CONTAMINATION method limit/base current history1 history Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 0 0 Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1	Oil Changed		Client Info		Not Changd	Not Changd	Changed
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 0 0 Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m >25 <1 0 0 Aluminum ppm ASTM D5185m >25 <1 0 0 Lead ppm ASTM D5185m >50 <1 <1 <1 <1 Lead ppm ASTM D5185m >50 <1 <1 <1 <1 <1 Cadad ppm ASTM D5185m >50 <1 <1 <1 <1 <1 <1 <1 <1 <1	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0 0 0 Chromium ppm ASTM D5185m 0 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Titanium ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >25 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	0	0	0
Titanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >25 <1	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >25 <1	Nickel	ppm	ASTM D5185m		0	0	0
Aluminum ppm ASTM D5185m >25 <1 0 0 Lead ppm ASTM D5185m >25 0 0 0 Copper ppm ASTM D5185m >50 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >25 0 0 0 Copper ppm ASTM D5185m >50 <1 <1 <1 Tin ppm ASTM D5185m >15 <1 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Malghesium ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0.0 <1 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 <td>Silver</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td>0</td> <td>0</td>	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >50 <1 <1 <1 Tin ppm ASTM D5185m >15 <1	Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Tin ppm ASTM D5185m >15 <1 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0.0 0 0 0 Phosphorus ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 0 0 0 <td>Lead</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>25</td> <th>0</th> <td>0</td> <td>0</td>	Lead	ppm	ASTM D5185m	>25	0	0	0
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 2 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1	Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 2 Molybdenum ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1	Tin	ppm	ASTM D5185m	>15	<1	0	0
ADDITIVES method limit/base current history1 history1 Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 2 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0.0 0 0 0 Barium ppm ASTM D5185m 0.0 0 0 2 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1 0 0 Phosphorus ppm ASTM D5185m 966 381 555 374 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m >20 3 <	Cadmium	ppm	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0.0 0 0 2 Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1 0 0 Phosphorus ppm ASTM D5185m 966 381 555 374 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	Boron	ppm	ASTM D5185m	0.0	0	0	0
Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1	Barium	ppm	ASTM D5185m	0.0	0	0	2
Magnesium ppm ASTM D5185m 0.0 0 0 0 Calcium ppm ASTM D5185m 0.0 <1 0 0 Phosphorus ppm ASTM D5185m 966 381 555 374 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m 20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium ppm ASTM D5185m 0.0 <1 0 0 Phosphorus ppm ASTM D5185m 966 381 555 374 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 2 <1	Manganese	ppm	ASTM D5185m	0	<1	0	0
Phosphorus ppm ASTM D5185m 966 381 555 374 Zinc ppm ASTM D5185m 0 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m 20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	Magnesium	ppm	ASTM D5185m	0.0	0	0	0
Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m 2 0 0 Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	Calcium	ppm	ASTM D5185m	0.0	<1	0	0
Sulfur ppm ASTM D5185m 1309 892 1324 932 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m 2 0 0 Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history	Phosphorus	ppm	ASTM D5185m	966	381	555	374
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 2 <1	Zinc	ppm	ASTM D5185m	0	0	0	0
Silicon ppm ASTM D5185m >25 2 <1 1 Sodium ppm ASTM D5185m 2 0 0 Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	Sulfur	ppm	ASTM D5185m	1309	892	1324	932
Sodium ppm ASTM D5185m 2 0 0 Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history	Silicon	ppm	ASTM D5185m	>25	2	<1	1
Potassium ppm ASTM D5185m >20 3 0 <1 FLUID DEGRADATION method limit/base current history1 history	Sodium	ppm	ASTM D5185m		2	0	0
·	Potassium		ASTM D5185m	>20	3	0	<1
Acid Number (AN) mg KOH/g ASTM D8045 0.172 0.21 0.12 0.19	FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.172	0.21	0.12	0.19

Sullivan

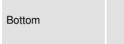
OIL ANALYSIS REPORT

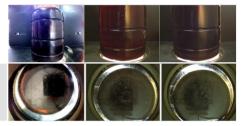




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	39.9	45.9	43.9	45.8
SAMPLE IMAGES		method	limit/base	current	history1	history2

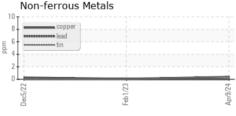
Color

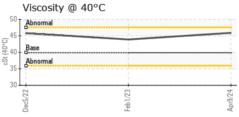


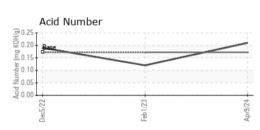


Ferrous Alloys













Laboratory

Sample No. : UCS06152128 Lab Number : 06152128

Unique Number : 10982206

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 17 Apr 2024 : 18 Apr 2024

: 19 Apr 2024 - Sean Felton

MIDDLETOWN, OH US 44442

Contact: tristateaircompressor@gmail.com T: (330)717-6507

10635 RAPP RD

Test Package : IND 2 Certificate 12367 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)

TRI-STATE AIR COMPRESSOR