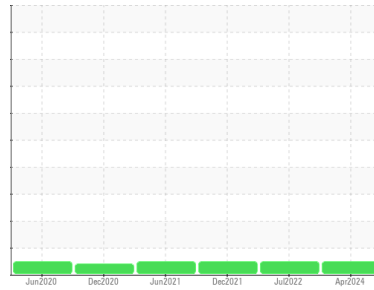




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CHEMINEER MX-04 (S/N 1-88184-1)
 Component
Gearbox
 Fluid
{not provided} (4 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0887934	WC0710498	WC0646511
Sample Date	Client Info		03 Apr 2024	18 Jul 2022	10 Dec 2021
Machine Age	yrs	Client Info	0	0	26
Oil Age	yrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		28	30	36
Iron	ppm	ASTM D5185m >200	36	38	56
Chromium	ppm	ASTM D5185m >15	0	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	5	6
Lead	ppm	ASTM D5185m >100	0	2	3
Copper	ppm	ASTM D5185m >200	1	0	<1
Tin	ppm	ASTM D5185m >25	0	0	0
Antimony	ppm	ASTM D5185m >5	---	---	2
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	21	13	33
Barium	ppm	ASTM D5185m	2	2	0
Molybdenum	ppm	ASTM D5185m	2	3	4
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	<1	1
Calcium	ppm	ASTM D5185m	<1	6	9
Phosphorus	ppm	ASTM D5185m	182	140	199
Zinc	ppm	ASTM D5185m	133	106	141
Sulfur	ppm	ASTM D5185m	7421	5873	5859

CONTAMINANTS

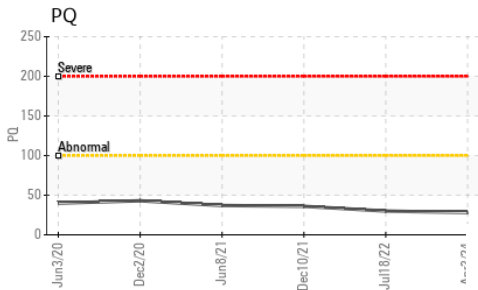
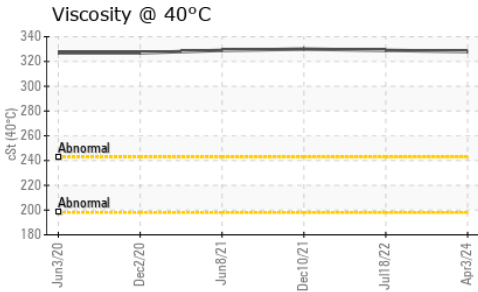
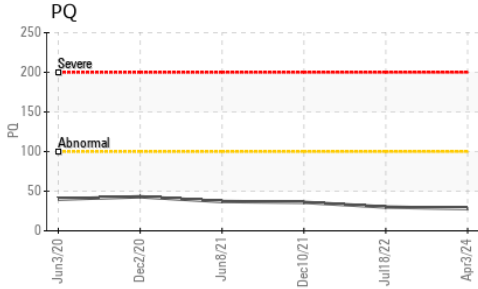
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	6	12	19
Sodium	ppm	ASTM D5185m	<1	<1	1
Potassium	ppm	ASTM D5185m >20	0	0	0
Water	%	ASTM D6304 >0.2	NEG	NEG	NEG

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.32	1.15	1.281



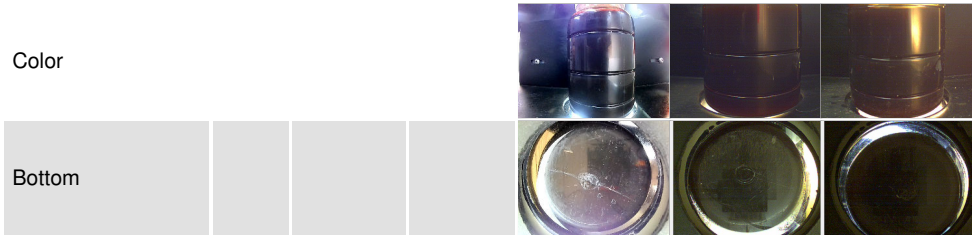
OIL ANALYSIS REPORT



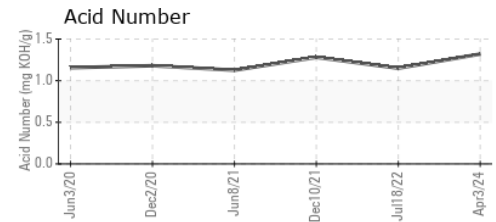
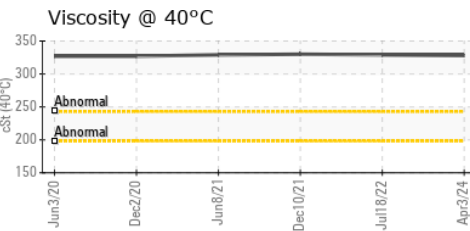
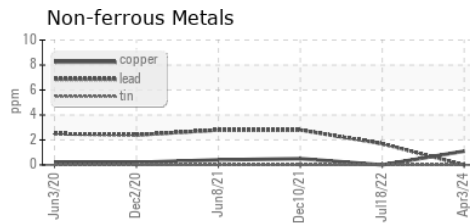
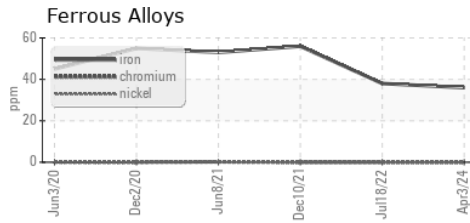
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	328	329	330

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0887934 **Received** : 04 Apr 2024
Lab Number : **06138689** **Tested** : 09 Apr 2024
Unique Number : 10963497 **Diagnosed** : 09 Apr 2024 - Jonathan Hester
Test Package : PLANT

Piedmont Chemical Industries
 331 BURTON AVE.
 HIGH POINT, NC
 US 27261
 Contact: BOB BURGES
 bburges@piedmontchemical.com
 T: (336)885-5131
 F:

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)