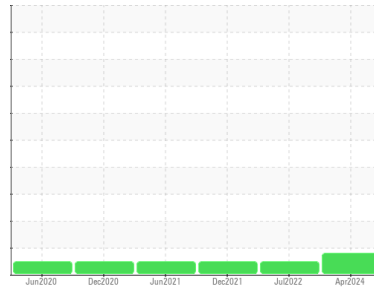




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
MIXMOR RX-16 (S/N 100481-1)
 Component
Gearbox
 Fluid
GEAR OIL SAE 80W90 (5 GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

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		WC0887935	WC0710501	WC0646512
Sample Date	Client Info		03 Apr 2024	20 Jul 2022	09 Dec 2021
Machine Age	yrs	Client Info	0	0	6
Oil Age	yrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		31	33	38
Iron	ppm	ASTM D5185m >200	▲ 239	68	72
Chromium	ppm	ASTM D5185m >15	1	<1	<1
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	<1	9
Aluminum	ppm	ASTM D5185m >25	0	<1	<1
Lead	ppm	ASTM D5185m >100	0	0	<1
Copper	ppm	ASTM D5185m >200	14	<1	<1
Tin	ppm	ASTM D5185m >25	<1	0	0
Antimony	ppm	ASTM D5185m >5	---	---	3
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	53	53	76
Barium	ppm	ASTM D5185m 200	2	0	0
Molybdenum	ppm	ASTM D5185m 12	<1	<1	<1
Manganese	ppm	ASTM D5185m	3	<1	<1
Magnesium	ppm	ASTM D5185m 12	2	0	<1
Calcium	ppm	ASTM D5185m 150	60	62	69
Phosphorus	ppm	ASTM D5185m 1650	741	820	898
Zinc	ppm	ASTM D5185m 125	96	53	49
Sulfur	ppm	ASTM D5185m 22500	23443	22586	17535

CONTAMINANTS

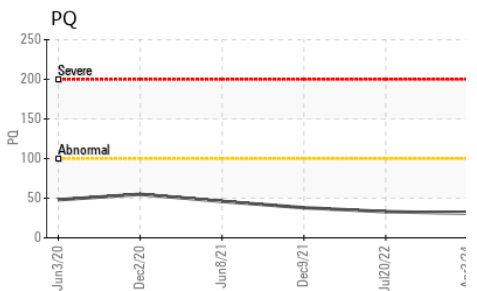
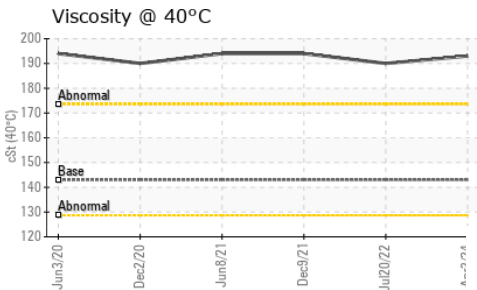
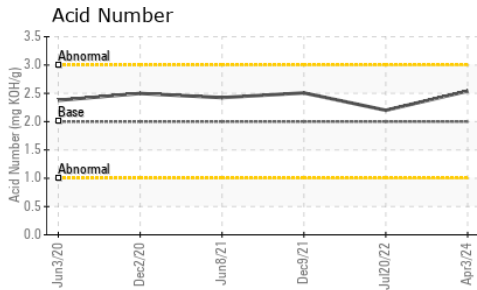
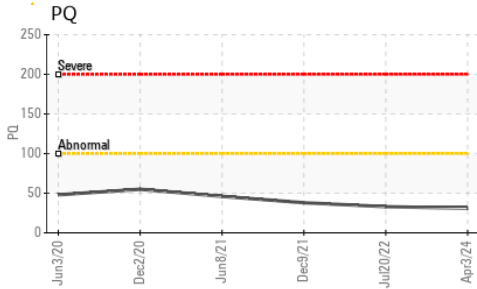
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	7	6	7
Sodium	ppm	ASTM D5185m >170	4	2	3
Potassium	ppm	ASTM D5185m >20	0	0	<1
Water	%	ASTM D6304 >0.2	NEG	NEG	NEG

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 2.00	2.54	2.20	2.507



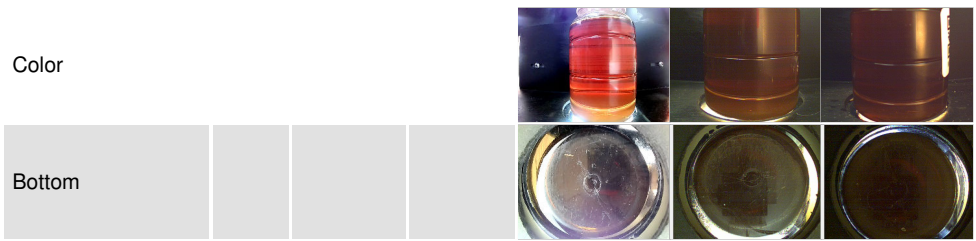
OIL ANALYSIS REPORT



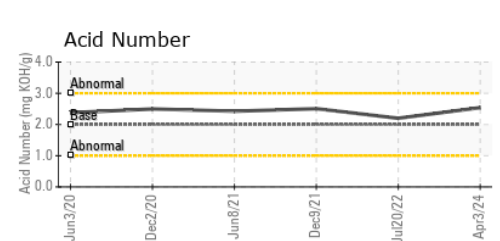
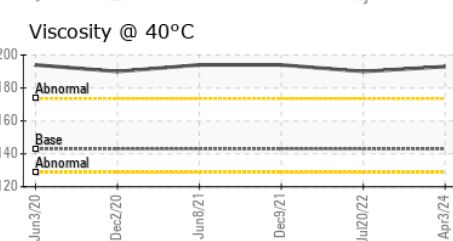
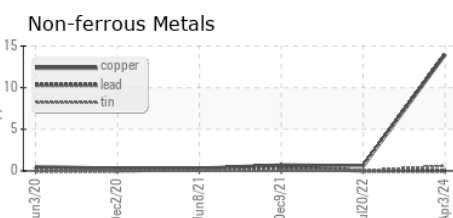
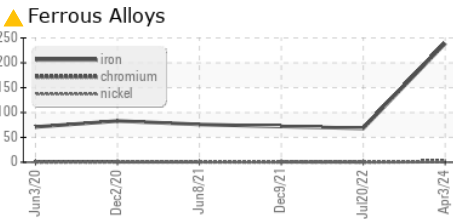
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	143	193	190

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. : WC0887935
Lab Number : 06138677
Unique Number : 10963485
Test Package : PLANT
Received : 04 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Jonathan Hester

Piedmont Chemical Industries
 331 BURTON AVE.
 HIGH POINT, NC
 US 27261
 Contact: BOB BURGES
 bburgess@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)