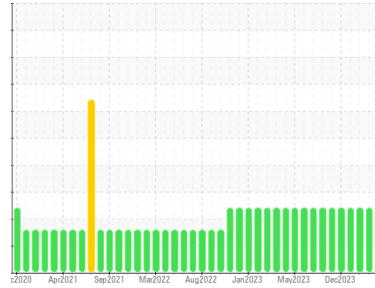




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
CRM54
 Machine Id
CRM 54 CLEAN OIL TANK (S/N 16-2200-1026)
 Component
Tank New (Unused) Oil
 Fluid
{not provided} (--- QTS)

DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. We recommend an early resample to monitor this condition.
- Wear**
 Bearing and/or 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		RP0042177	RP0042601	RP0039092
Sample Date	Client Info		26 Mar 2024	29 Feb 2024	29 Jan 2024
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	ATTENTION	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		16	21	17
Iron	ppm	ASTM D5185m >5	321	346	345
Chromium	ppm	ASTM D5185m >5	74	78	75
Nickel	ppm	ASTM D5185m >5	20	22	21
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >5	<1	0	2
Lead	ppm	ASTM D5185m >5	<1	0	0
Copper	ppm	ASTM D5185m >5	86	85	86
Tin	ppm	ASTM D5185m >5	1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	<1
Molybdenum	ppm	ASTM D5185m	2	1	2
Manganese	ppm	ASTM D5185m	20	21	21
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	7	20	8
Phosphorus	ppm	ASTM D5185m	1248	1441	2065
Zinc	ppm	ASTM D5185m	37	43	36

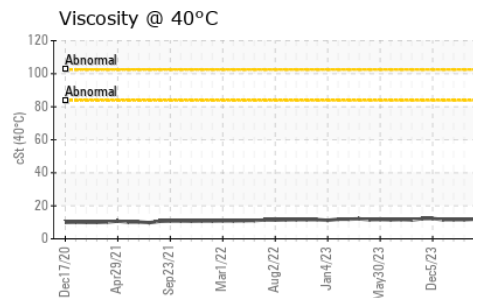
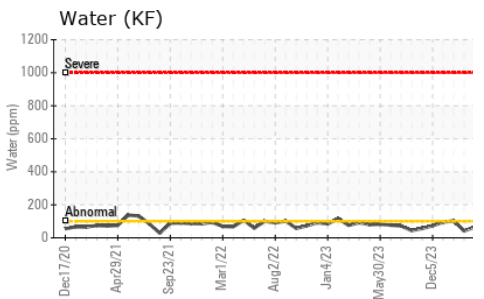
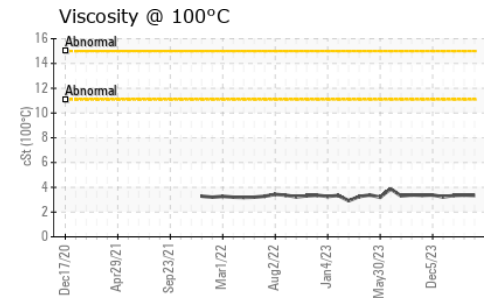
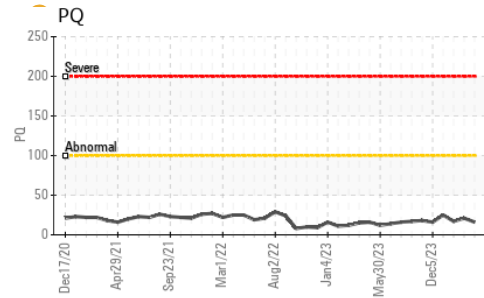
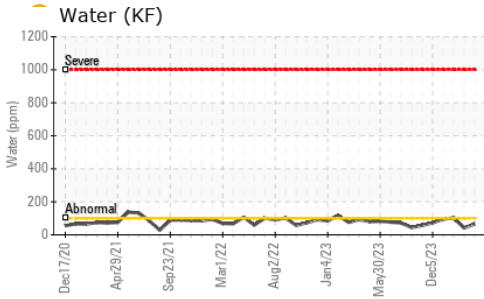
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	4	5	6
Sodium	ppm	ASTM D5185m	3	2	0
Potassium	ppm	ASTM D5185m >20	<1	<1	2
Water	%	ASTM D6304	0.006	0.004	0.010
ppm Water	ppm	ASTM D6304	65	42	103

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.303	0.231	0.604

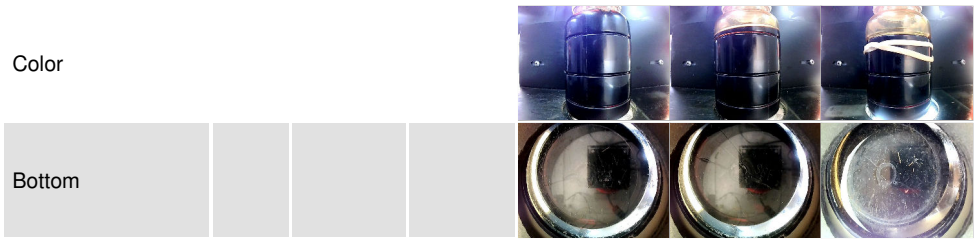
OIL ANALYSIS REPORT



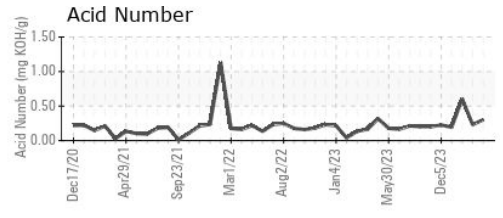
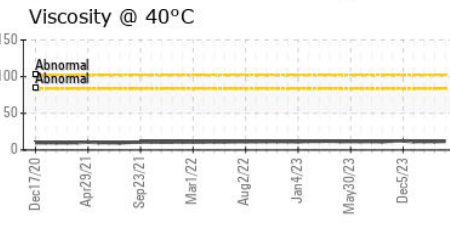
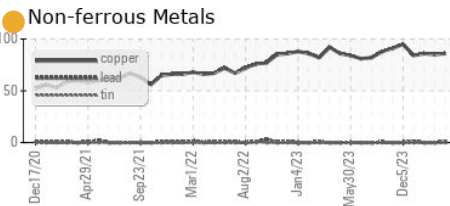
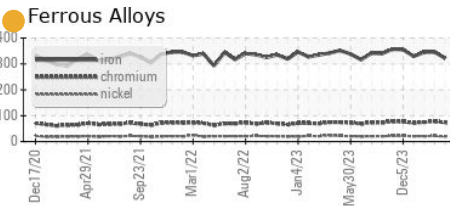
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	11.9	11.6	11.6
Visc @ 100°C	cSt	ASTM D445	3.34	3.37	3.34
Viscosity Index (VI)	Scale	ASTM D2270	163	179	174

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0042177
Lab Number : 06131250
Unique Number : 10950715
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, PrtCount, VI)

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 F: x:

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)