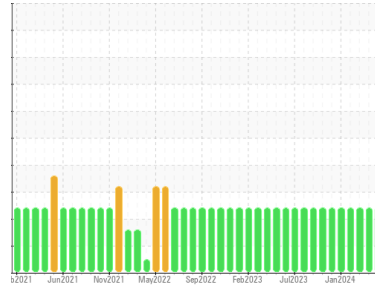




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

CRM64

Machine Id

CRM 64 CLEAN OIL TANK - USED FILTERED (S/N 16-2300-1026)

Component

Tank Bulk Fluid Tank

Fluid

{not provided} (59438 GAL)

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		RP0044015	RP0042546	RP0042732
Sample Date	Client Info		03 Jun 2024	21 May 2024	26 Mar 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		15	14	10
Iron	ppm	ASTM D5185m	351	381	354
Chromium	ppm	ASTM D5185m	82	88	85
Nickel	ppm	ASTM D5185m	24	25	24
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m	0	<1	<1
Lead	ppm	ASTM D5185m	<1	<1	<1
Copper	ppm	ASTM D5185m	96	97	97
Tin	ppm	ASTM D5185m	<1	0	1
Vanadium	ppm	ASTM D5185m	<1	<1	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	1	0	0
Molybdenum	ppm	ASTM D5185m	2	2	2
Manganese	ppm	ASTM D5185m	18	20	19
Magnesium	ppm	ASTM D5185m	<1	0	0
Calcium	ppm	ASTM D5185m	12	6	9
Phosphorus	ppm	ASTM D5185m	1027	1006	953
Zinc	ppm	ASTM D5185m	49	45	47

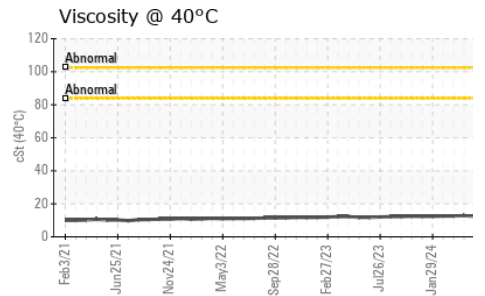
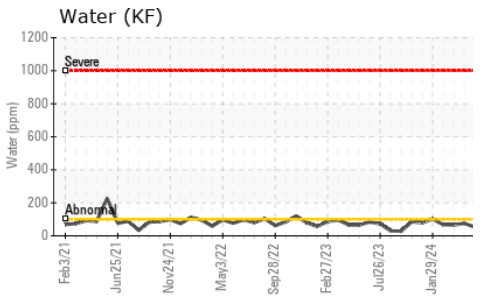
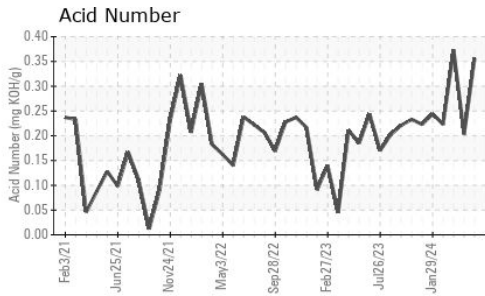
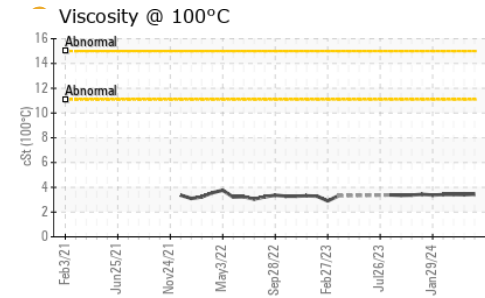
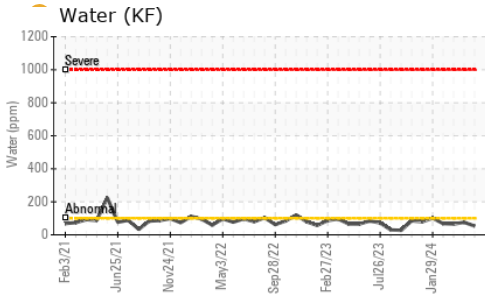
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	3	3	2
Sodium	ppm	ASTM D5185m	3	3	4
Potassium	ppm	ASTM D5185m	>20	2	1
Water	%	ASTM D6304	0.005	0.007	0.006
ppm Water	ppm	ASTM D6304	53	76	65

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.356	0.203	0.373

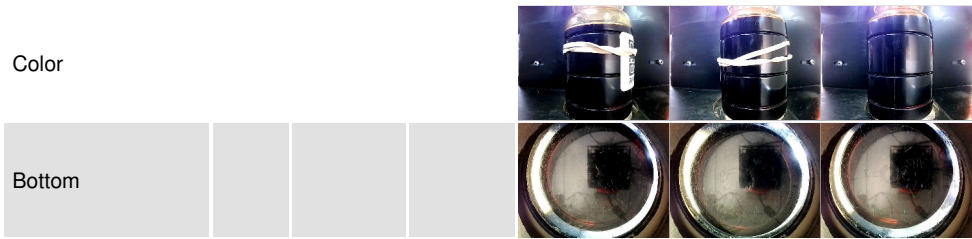
OIL ANALYSIS REPORT



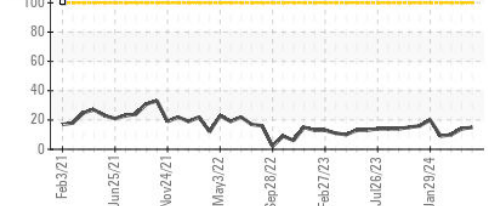
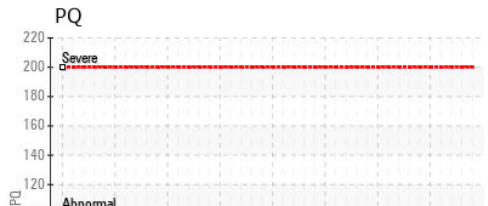
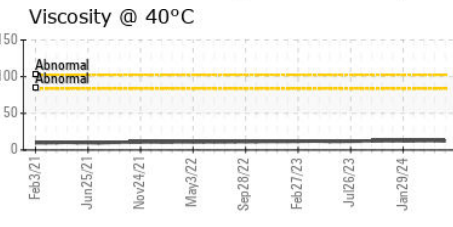
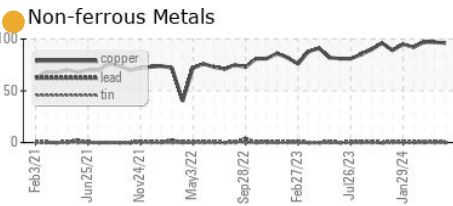
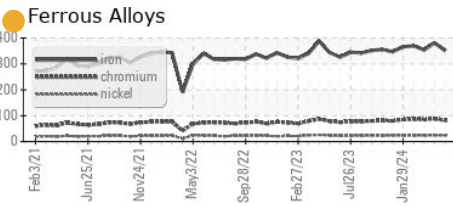
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	12.4	12.8	12.6
Visc @ 100°C	cSt	ASTM D445	3.44	3.39	3.41
Viscosity Index (VI)	Scale	ASTM D2270	165	145	154

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. : RP0044015 **Received** : 04 Jun 2024
Lab Number : 06199710 **Tested** : 07 Jun 2024
Unique Number : 11061833 **Diagnosed** : 07 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

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)

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