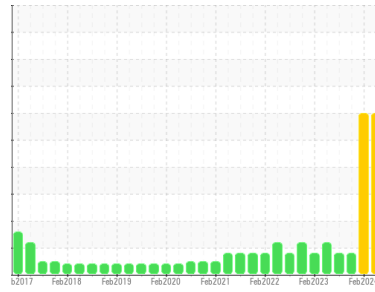




PROBLEM SUMMARY

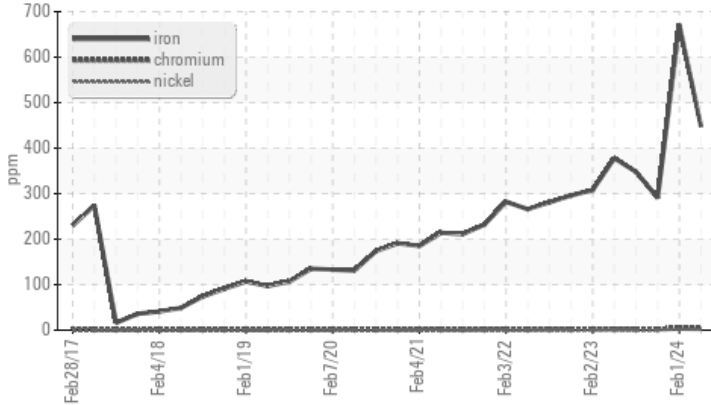
Area
CRESLINE PLASTIC PIPE
 Machine Id
DISTRIBUTION 6 - CRESLINE PLASTIC PIPE
 Component
Gearbox
 Fluid
FIRE-RESISTANT FLUID ISO 46 (--- QTS)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185m	>200	▲ 448	▲ 671	▲ 291

Customer Id: MOTYOR
 Sample No.: WC0892718
 Lab Number: 06174000
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WEAR



01 Feb 2024 Diag: Jonathan Hester

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



WEAR



01 Nov 2023 Diag: Don Baldrige

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



WEAR



02 Aug 2023 Diag: Don Baldrige

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

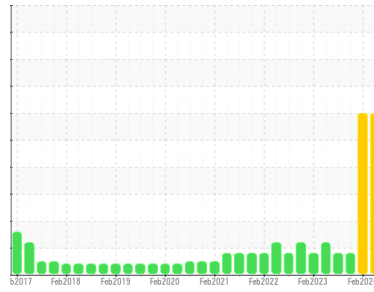
view report





OIL ANALYSIS REPORT

Sample Rating Trend



Area
CRESLINE PLASTIC PIPE
 Machine Id
DISTRIBUTION 6 - CRESLINE PLASTIC PIPE
 Component
Gearbox
 Fluid
FIRE-RESISTANT FLUID ISO 46 (--- QTS)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level has decreased, but is still severe. 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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0892718	WC0877705	WC0843824
Sample Date	Client Info		07 May 2024	01 Feb 2024	01 Nov 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			SEVERE	SEVERE	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	▲ 448	▲ 671	▲ 291
Chromium	ppm	ASTM D5185m >15	4	6	2
Nickel	ppm	ASTM D5185m >15	1	2	<1
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	1	<1
Lead	ppm	ASTM D5185m >100	1	<1	<1
Copper	ppm	ASTM D5185m >200	2	3	2
Tin	ppm	ASTM D5185m >25	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	13	21	10
Barium	ppm	ASTM D5185m 5	0	0	3
Molybdenum	ppm	ASTM D5185m 5	68	102	62
Manganese	ppm	ASTM D5185m	5	7	3
Magnesium	ppm	ASTM D5185m 5	<1	0	0
Calcium	ppm	ASTM D5185m 50	31	53	28
Phosphorus	ppm	ASTM D5185m 175	227	391	202
Zinc	ppm	ASTM D5185m 62	<1	0	0
Sulfur	ppm	ASTM D5185m 500	6436	10068	6302

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	18	25	14
Sodium	ppm	ASTM D5185m	<1	6	2
Potassium	ppm	ASTM D5185m >20	2	1	2
Water	%	ASTM D6304 >55	NEG	NEG	NEG

FLUID DEGRADATION

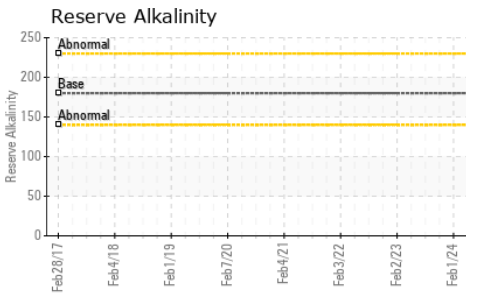
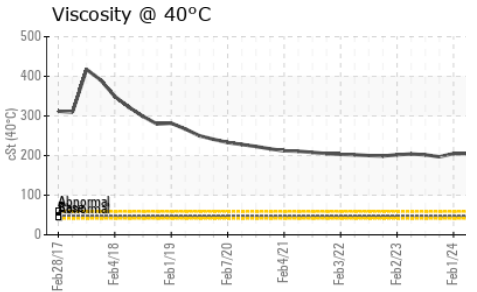
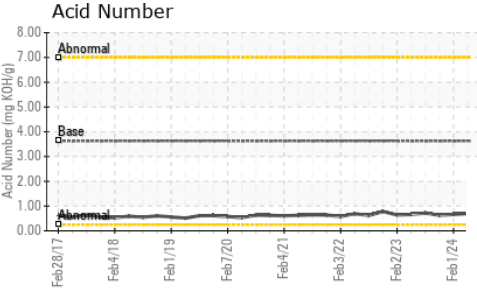
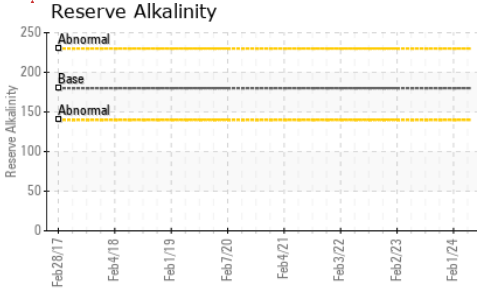
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 3.63	0.70	0.66	0.63

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
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	LIGHT	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 >55	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



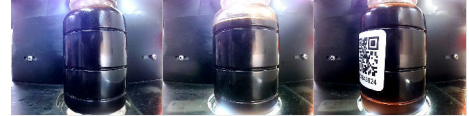
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	205	205	197

SAMPLE IMAGES		method	limit/base	current	history1	history2
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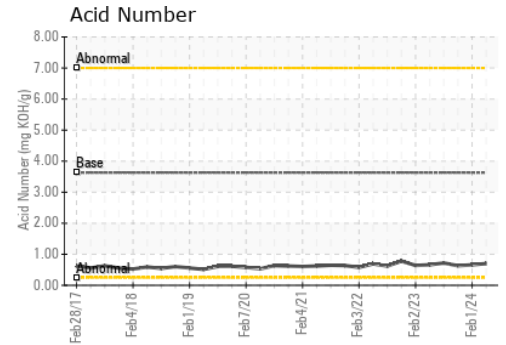
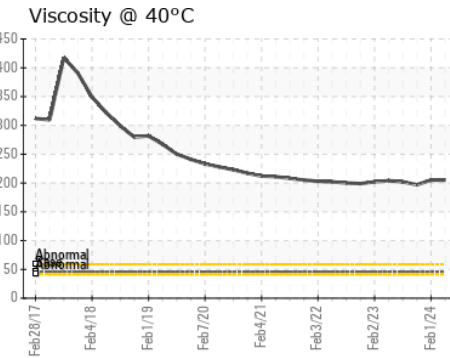
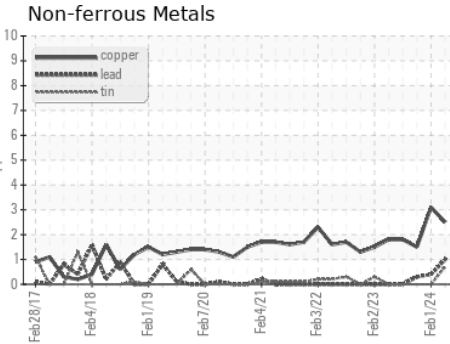
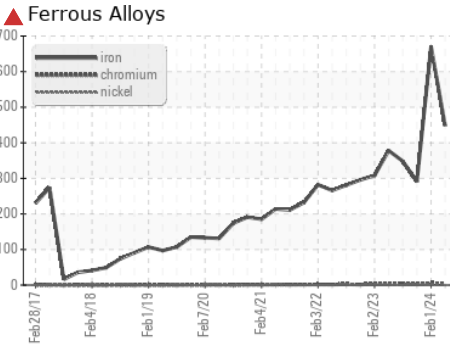
Color



Bottom



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0892718 **Received** : 09 May 2024
Lab Number : 06174000 **Tested** : 12 May 2024
Unique Number : 11020053 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, pH, ReserveAlk)

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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 US 17406

Contact: Bill Trimmer
 btrimmer@motortechologyinc.com
 T: (717)266-4045

F: