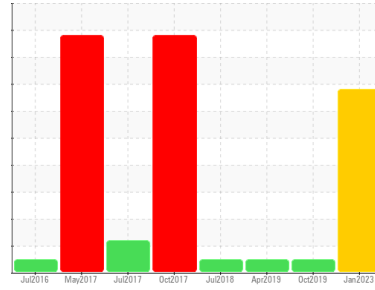




PROBLEM SUMMARY

Sample Rating Trend



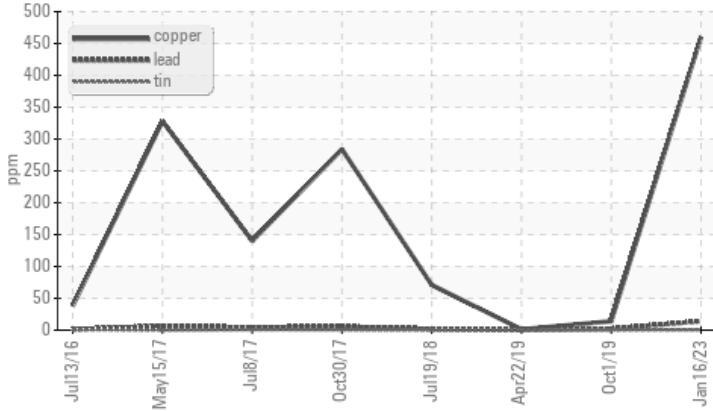
WEAR



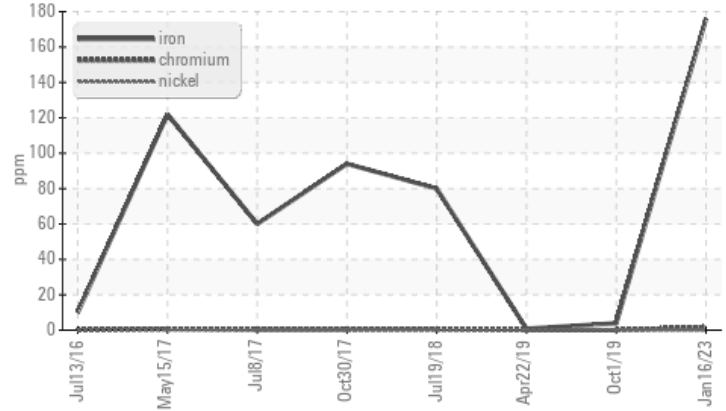
Machine Id
EXTRUDER 3 LINE 10
 Component
Gearbox
 Fluid
MOBIL DTE OIL EXTRA HEAVY (5 GAL)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals



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	NORMAL	NORMAL
Iron	ppm	ASTM D5185m >200	▲ 176	4	<1
Copper	ppm	ASTM D5185m >200	● 460	14	1

Customer Id: CONCHIL
 Sample No.: WC0777663
 Lab Number: 05743083
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

01 Oct 2019 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All 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



22 Apr 2019 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All 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



19 Jul 2018 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All 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.

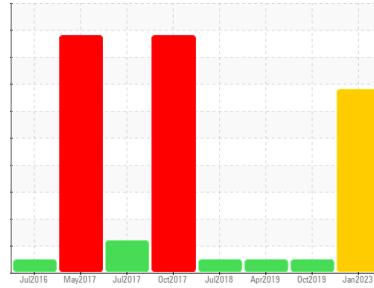
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
EXTRUDER 3 LINE 10
 Component
Gearbox
 Fluid
MOBIL DTE OIL EXTRA HEAVY (5 GAL)

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

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 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	WC0777663	WC0395997	WC0336543
Sample Date	Client Info	16 Jan 2023	01 Oct 2019	22 Apr 2019
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		SEVERE	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	▲ 176	4	<1
Chromium	ppm	ASTM D5185m >15	2	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	<1	<1
Lead	ppm	ASTM D5185m >100	14	2	<1
Copper	ppm	ASTM D5185m >200	● 460	14	1
Tin	ppm	ASTM D5185m >25	<1	0	0
Antimony	ppm	ASTM D5185m >5	---	1	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	<1	0
Barium	ppm	ASTM D5185m	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	2	0	0
Magnesium	ppm	ASTM D5185m	2	1	<1
Calcium	ppm	ASTM D5185m	95	102	105
Phosphorus	ppm	ASTM D5185m	381	386	373
Zinc	ppm	ASTM D5185m	623	478	473
Sulfur	ppm	ASTM D5185m	10035	7869	10485

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	5	4	2
Sodium	ppm	ASTM D5185m	<1	2	<1
Potassium	ppm	ASTM D5185m >20	<1	13	<1

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.46	0.930	1.175

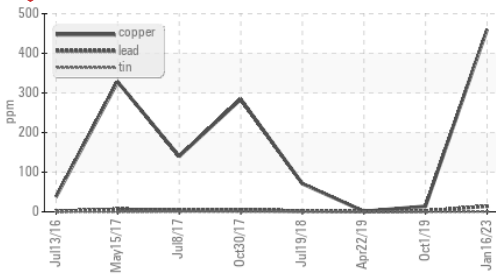
VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	MODER	NONE	NONE
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	NONE	LIGHT
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 >0.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

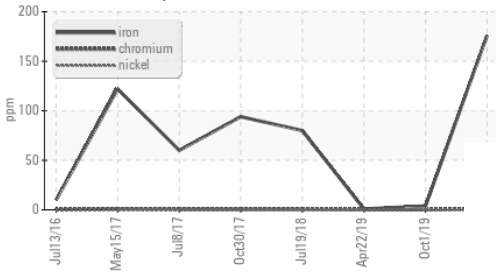


OIL ANALYSIS REPORT

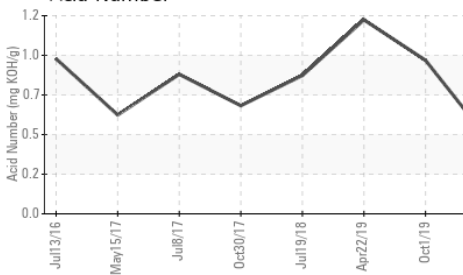
Non-ferrous Metals



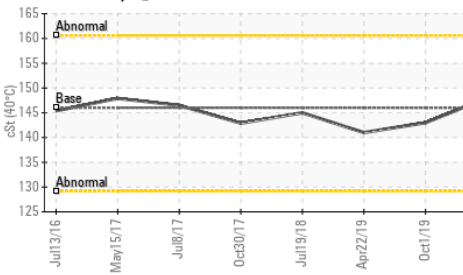
Ferrous Alloys



Acid Number



Viscosity @ 40°C



FLUID PROPERTIES

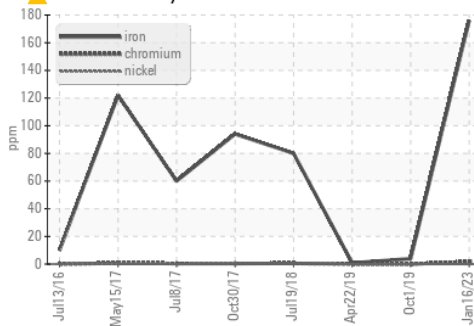
method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	146	148	143	141

SAMPLE IMAGES

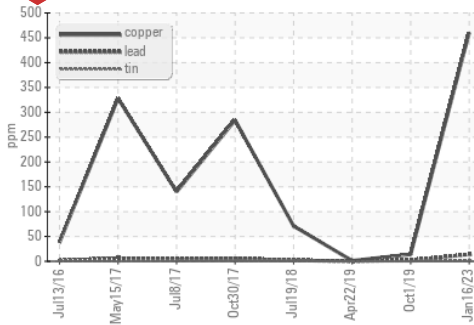
method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS

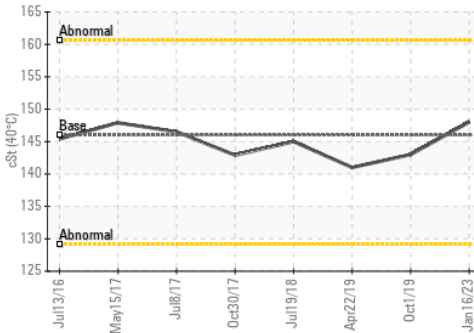
Ferrous Alloys



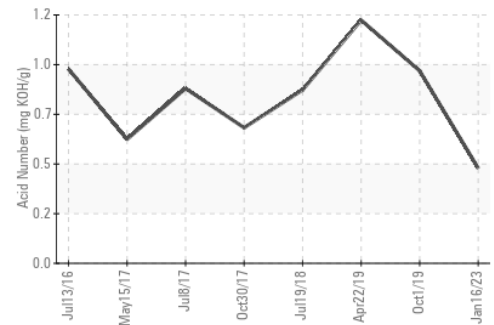
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0777663
Lab Number : 05743083
Unique Number : 10297682
Test Package : IND 2

Altium Packaging - DUPAGE - Plant 1123A
 1300 NW AVE W
 CHICAGO, IL
 US 60185
 Contact: ED SWEENEY
 ed.sweeney@altiumpkg.com
 T: (630)231-7150
 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)