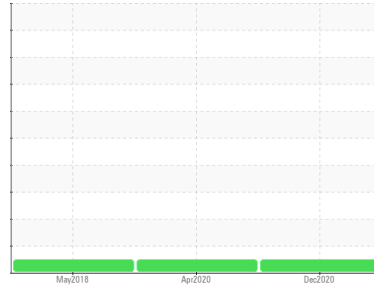




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



## Machine Id **LINE 10 - SCOTT POWER PACK**

Component  
**Hydraulic System**

Fluid  
**MOBIL DTE 10 EXCEL 68 (15 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### 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			<b>WC0533734</b>	WC0457934	WCI2333751
Sample Date	Client Info			<b>14 Dec 2020</b>	21 Apr 2020	07 May 2018
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

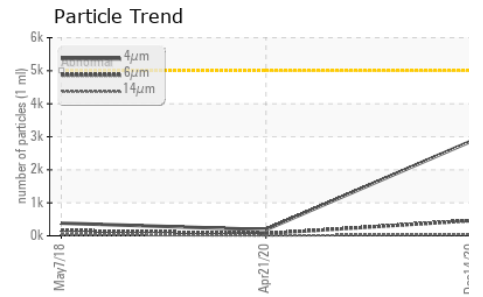
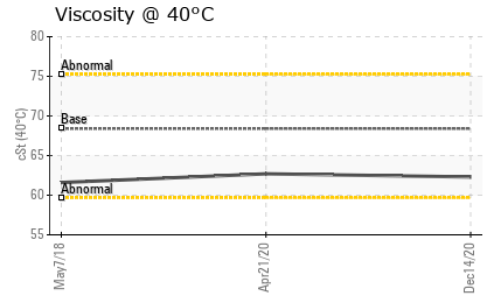
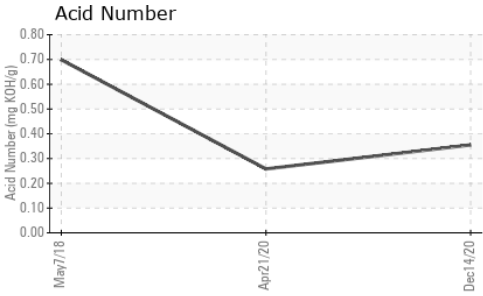
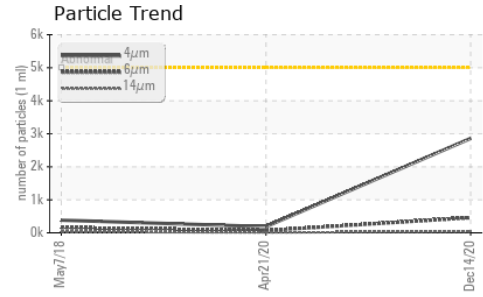
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>3</b>	2	1
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	1
Lead	ppm	ASTM D5185m	>20	<b>1</b>	1	1
Copper	ppm	ASTM D5185m	>20	<b>1</b>	1	<1
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185m		<b>0</b>	<1	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>1</b>	<1	0
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>113</b>	118	88
Phosphorus	ppm	ASTM D5185m		<b>445</b>	450	401
Zinc	ppm	ASTM D5185m		<b>12</b>	3	56
Sulfur	ppm	ASTM D5185m		<b>1306</b>	1316	701

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	1
Sodium	ppm	ASTM D5185m		<b>5</b>	3	14
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>2860</b>	187	384
Particles >6µm		ASTM D7647	>1300	<b>459</b>	68	156
Particles >14µm		ASTM D7647	>160	<b>33</b>	10	23
Particles >21µm		ASTM D7647	>40	<b>10</b>	4	9
Particles >38µm		ASTM D7647	>10	<b>1</b>	0	2
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/16/12</b>	15/13/10	16/14/12

# OIL ANALYSIS REPORT

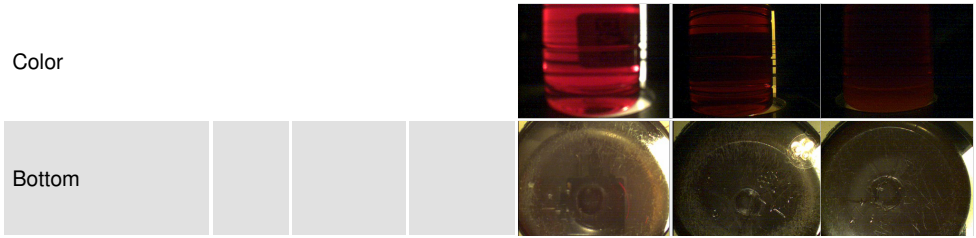


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.355</b>	0.258	0.699

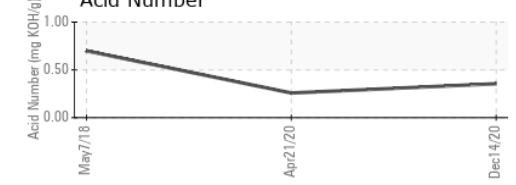
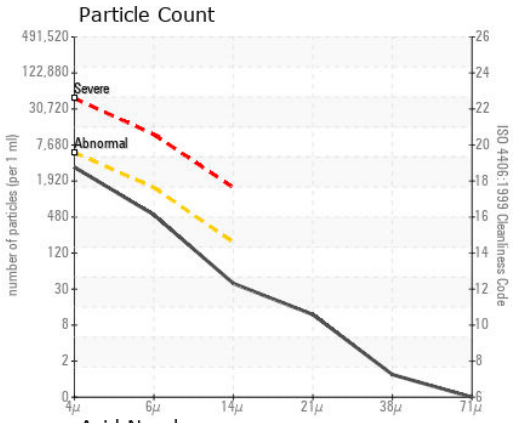
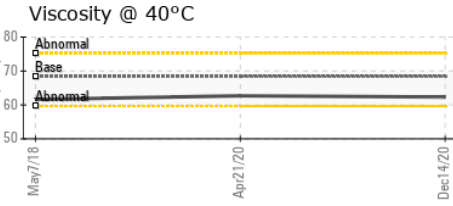
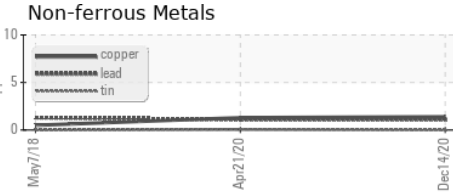
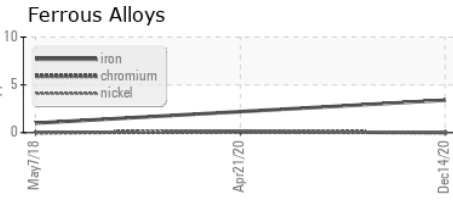
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68.4	<b>62.3</b>	62.7	61.6

### SAMPLE IMAGES



### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0533734  
**Lab Number** : 05139223  
**Unique Number** : 9294498  
**Test Package** : IND 2

**Received** : 17 Dec 2020  
**Tested** : 18 Dec 2020  
**Diagnosed** : 18 Dec 2020 - Jonathan Hester

**Altium Packaging - WEST CHICAGO - DUPAGE - Plant 1123A**  
 1300 NORTHWEST AVE  
 WEST CHICAGO, IL  
 US 60185  
 Contact: DALE HARRISON  
 dale.harrison@altiumpkg.com

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)

T: x  
F: x