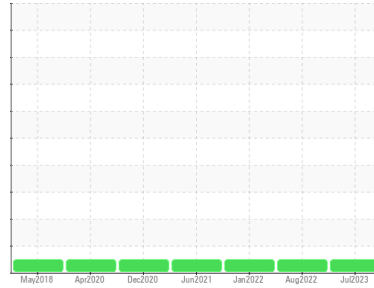




# OIL ANALYSIS REPORT

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

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is 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>WC0838550</b>	WC0729287	WC0656296
Sample Date	Client Info	<b>14 Jul 2023</b>	08 Aug 2022	06 Jan 2022
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>20	<b>6</b>	6	5
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Lead	ppm	ASTM D5185m	>20	<b>1</b>	2	1
Copper	ppm	ASTM D5185m	>20	<b>2</b>	2	1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
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>0</b>	<1	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>1</b>	1	<1
Calcium	ppm	ASTM D5185m		<b>118</b>	98	111
Phosphorus	ppm	ASTM D5185m		<b>465</b>	394	455
Zinc	ppm	ASTM D5185m		<b>15</b>	8	8
Sulfur	ppm	ASTM D5185m		<b>1843</b>	1454	1604

### CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m		<b>12</b>	11	8
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	<1

### FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	<b>788</b>	2272	2033
Particles >6µm	ASTM D7647	>1300	<b>292</b>	557	404
Particles >14µm	ASTM D7647	>160	<b>39</b>	56	31
Particles >21µm	ASTM D7647	>40	<b>13</b>	19	8
Particles >38µm	ASTM D7647	>10	<b>1</b>	1	0
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>17/15/12</b>	18/16/13	18/16/12

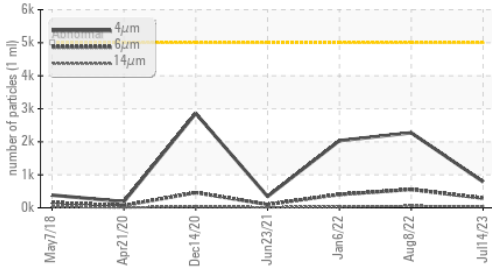
### FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.60</b>	0.55	0.402

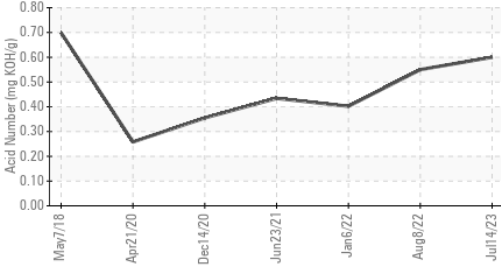


# OIL ANALYSIS REPORT

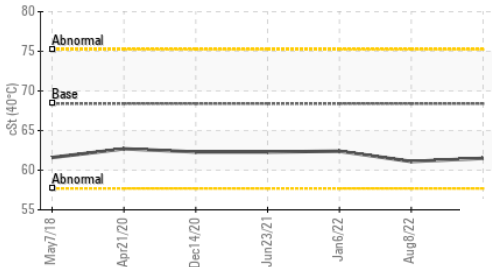
Particle Trend



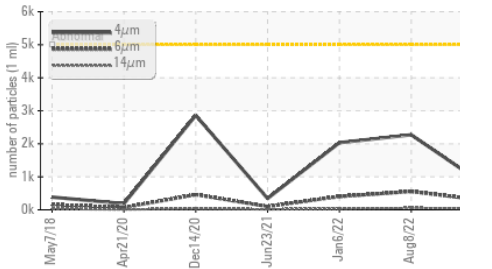
Acid Number



Viscosity @ 40°C



Particle Trend



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	LIGHT	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	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

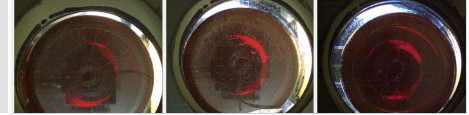
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 68.4	61.5	61.1	62.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

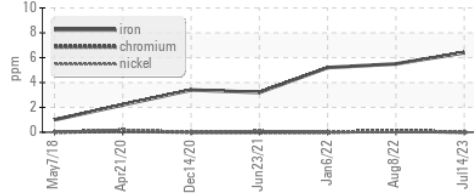


Bottom

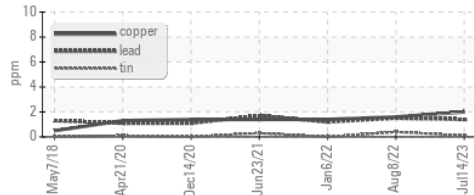


## GRAPHS

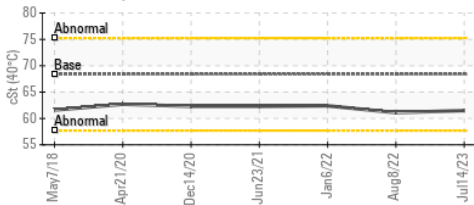
Ferrous Alloys



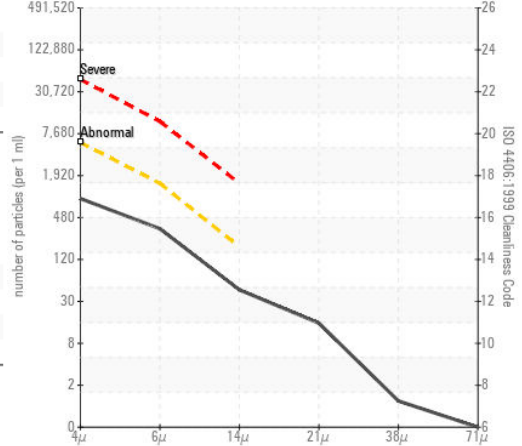
Non-ferrous Metals



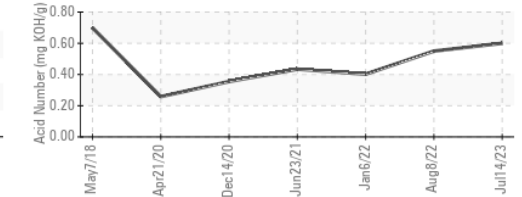
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0838550  
 Lab Number : 05901844  
 Unique Number : 10563200  
 Test Package : IND 2

Received : 18 Jul 2023  
 Diagnosed : 19 Jul 2023  
 Diagnostician : Wes Davis

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