



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area  
**Mobile Fleet**  
Machine Id  
**5000 5000**  
Component  
**Steering**  
Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (13 GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0918678	WC0885965	WC0862121
Sample Date		Client Info		18 Apr 2024	24 Jan 2024	25 Sep 2023
Machine Age	hrs	Client Info		22497	21922	21338
Oil Age	hrs	Client Info		1159	584	1403
Filter Age	hrs	Client Info		1159	584	1403
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>60	7	5	5
Chromium	ppm	ASTM D5185m	>12	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>4	3	2	2
Lead	ppm	ASTM D5185m	>12	<1	0	0
Copper	ppm	ASTM D5185m	>30	2	<1	3
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

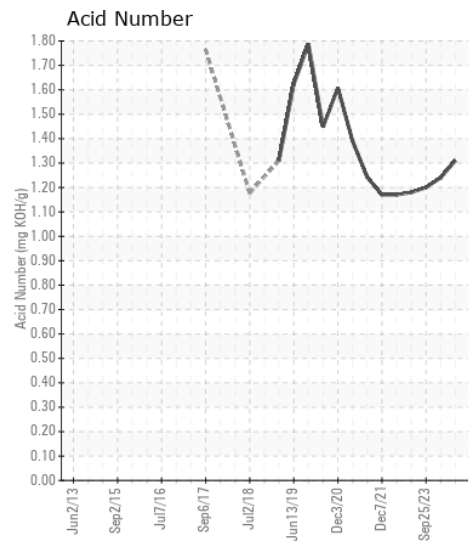
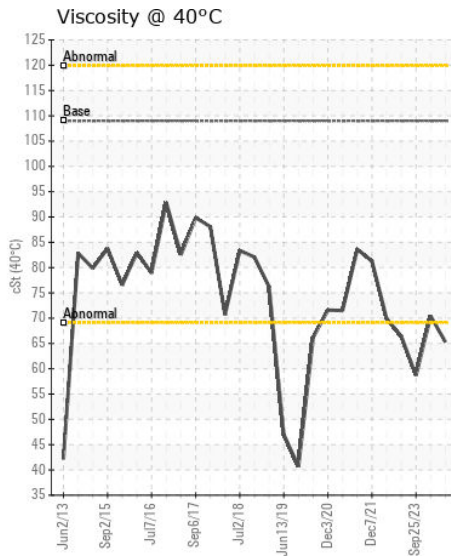
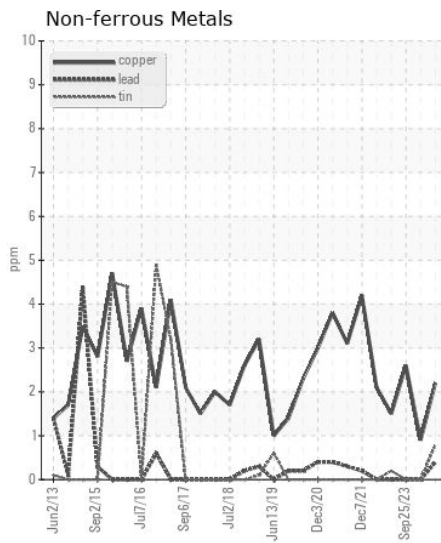
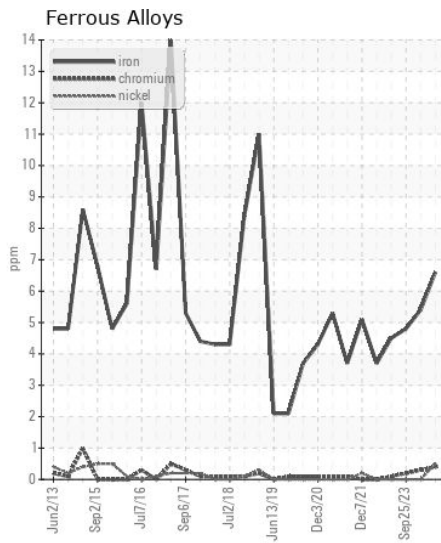
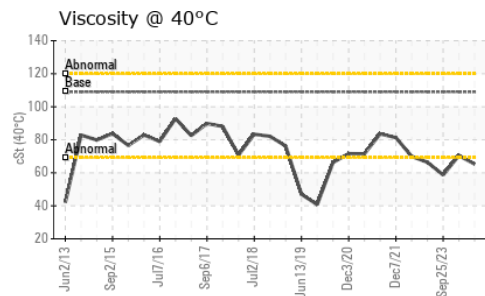
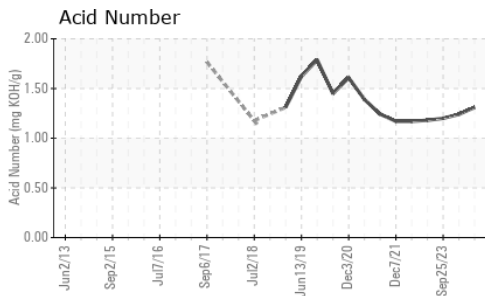
There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>10	10	8	10
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method		NEG	NEG	NEG
Particles >4µm		ASTM D7647	>2500	---	▲ 147643	996
Particles >6µm		ASTM D7647	>640	---	▲ 69749	174
Particles >14µm		ASTM D7647	>80	---	▲ 2171	15
Particles >21µm		ASTM D7647	>20	---	▲ 253	4
Particles >38µm		ASTM D7647	>4	---	▲ 14	1
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	---	▲ 24/23/18	17/15/11
Silt	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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		NEG	NEG	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	2	5
Boron	ppm	ASTM D5185m	0	26	40	22
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	34	35	25
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	0	505	465	465
Calcium	ppm	ASTM D5185m		1256	1312	1547
Phosphorus	ppm	ASTM D5185m		917	811	828
Zinc	ppm	ASTM D5185m		1004	917	988
Sulfur	ppm	ASTM D5185m		4303	3615	4558
Acid Number (AN)	mg KOH/g	ASTM D8045		1.31	1.24	1.20
Visc @ 40°C	cSt	ASTM D445	109	65.3	70.4	58.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918678 **Received** : 22 Apr 2024  
**Lab Number** : 06156847 **Tested** : 24 Apr 2024  
**Unique Number** : 10992270 **Diagnosed** : 24 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PrtCount )

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)

**CAROLINA SUNROCK**  
 PO BOX 25  
 BUTNER, NC  
 US 27509

Contact: Leigh Dennis  
 rdennis@thesunrockgroup.com  
 T: (919)575-4505  
 F: (919)575-0162