



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**GREENERD 1550**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL DTE 26 (150 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ST44430</b>	ST42708	ST40903
Sample Date		Client Info		<b>19 Jan 2024</b>	20 Jan 2022	12 Jan 2021
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>3</b>	4	3
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	0
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Copper	ppm	ASTM D5185m	>20	<b>19</b>	22	21
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

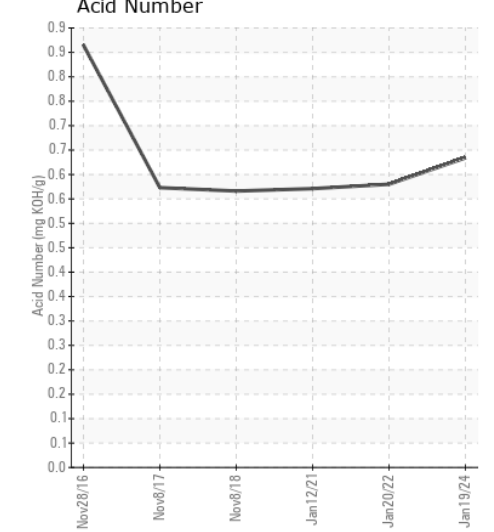
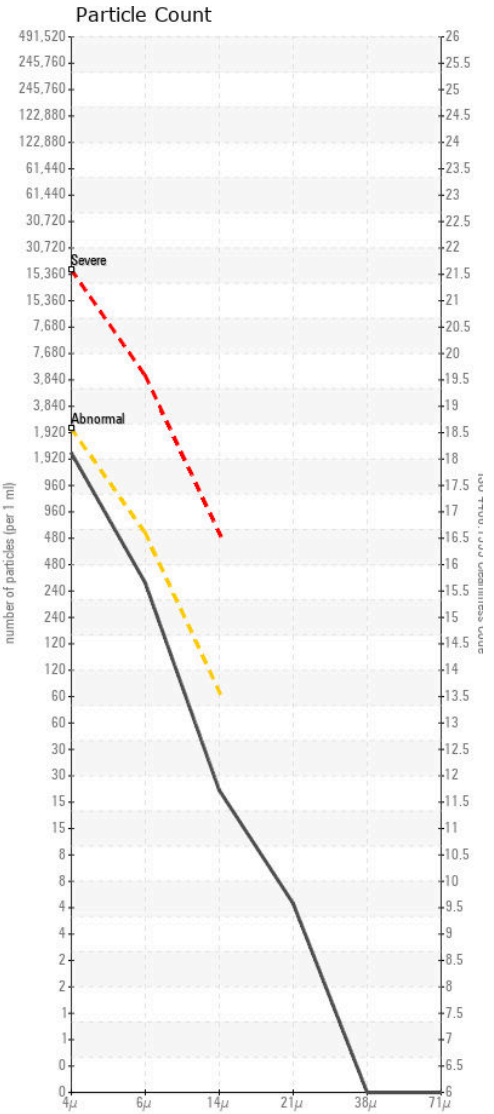
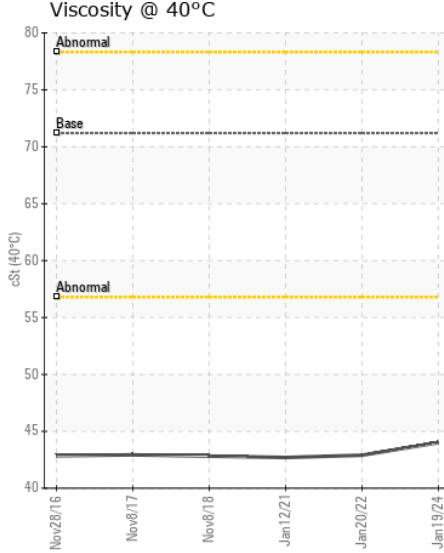
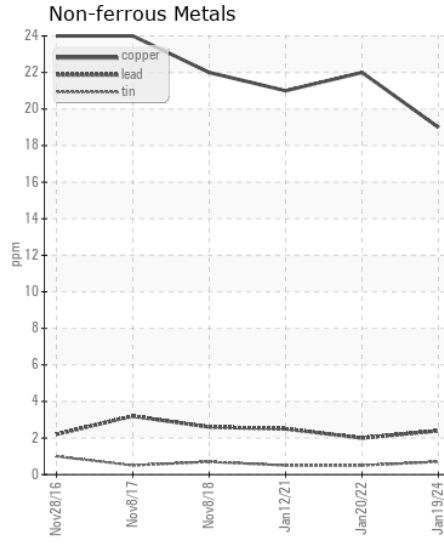
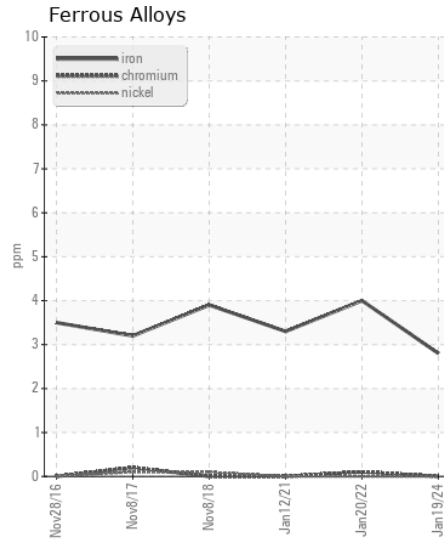
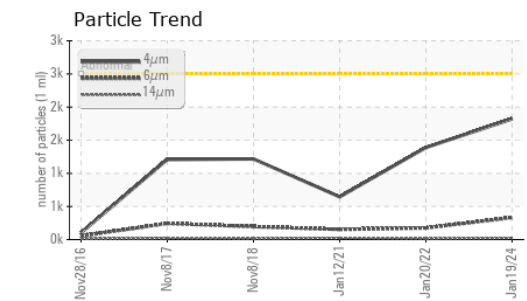
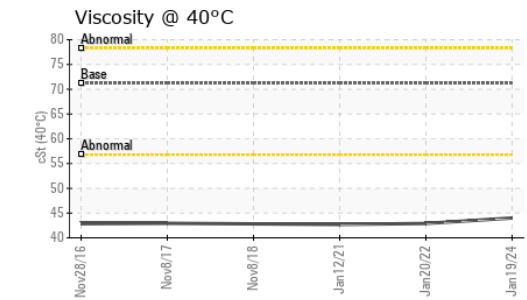
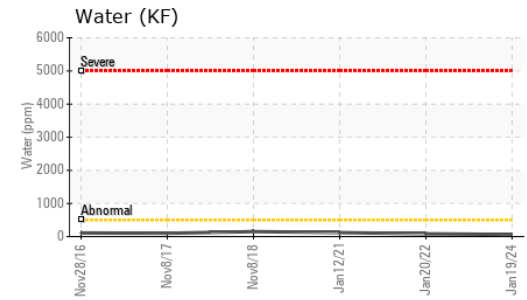
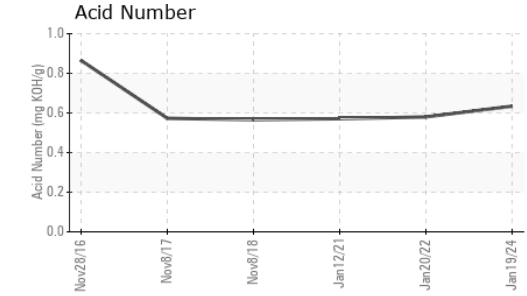
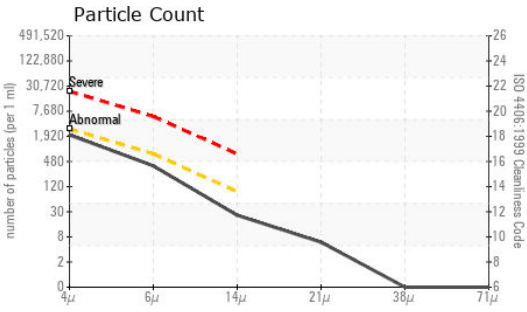
There is no indication of any contamination in the sample. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>15	<b>6</b>	6	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<1
Water	%	ASTM D6304	>0.05	<b>0.006</b>	0.008	0.012
ppm Water	ppm	ASTM D6304	>500	<b>65</b>	83.2	120.6
Particles >4µm		ASTM D7647	>2500	<b>1821</b>	1389	645
Particles >6µm		ASTM D7647	>640	<b>332</b>	175	153
Particles >14µm		ASTM D7647	>80	<b>22</b>	14	23
Particles >21µm		ASTM D7647	>20	<b>5</b>	5	4
Particles >38µm		ASTM D7647	>4	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	<b>18/16/12</b>	18/15/11	17/14/12
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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>6</b>	5	5
Boron	ppm	ASTM D5185m		<b>0</b>	2	4
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>53</b>	55	55
Calcium	ppm	ASTM D5185m		<b>166</b>	179	178
Phosphorus	ppm	ASTM D5185m		<b>574</b>	540	530
Zinc	ppm	ASTM D5185m		<b>728</b>	694	677
Sulfur	ppm	ASTM D5185m		<b>5491</b>	4453	4588
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.634</b>	0.58	0.571
Visc @ 40°C	cSt	ASTM D445	71.2	<b>44.0</b>	42.9	42.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ST44430 **Received** : 30 Jan 2024  
**Lab Number** : 06074784 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10856875 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF )

**LARSON TOOL & STAMPING CO**  
 90 OLIVE ST  
 ATTLEBORO, MA  
 US 02703  
 Contact: GARY BRUNE  
 gbrune@larsonstool.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)