



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
GREENERD 1531
Component
Hydraulic System
Fluid
MOBIL DTE 25 (250 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Due to an abnormal test result it is recommended to contact Stauff Corp at (201)-444-7800 for help resolving the issue.

WEAR

All component wear rates are normal.

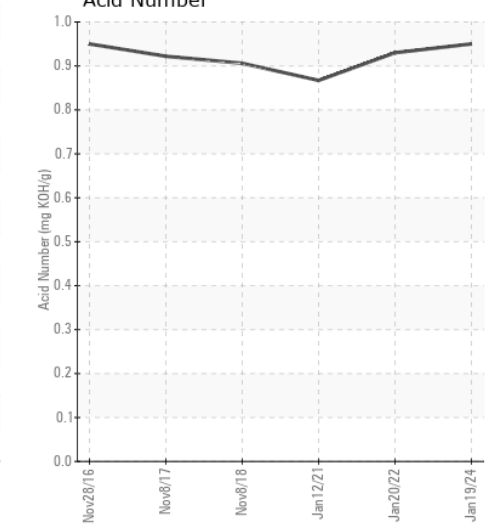
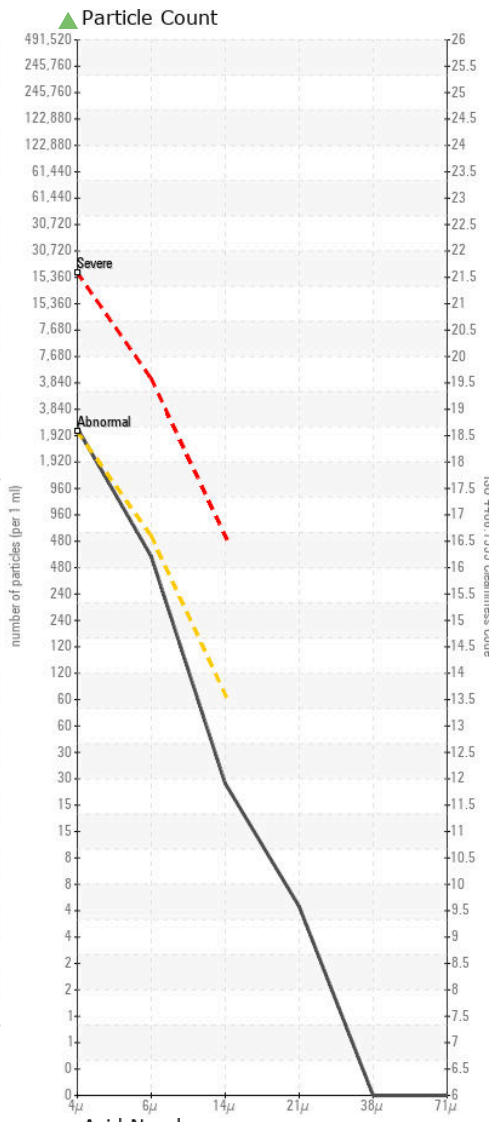
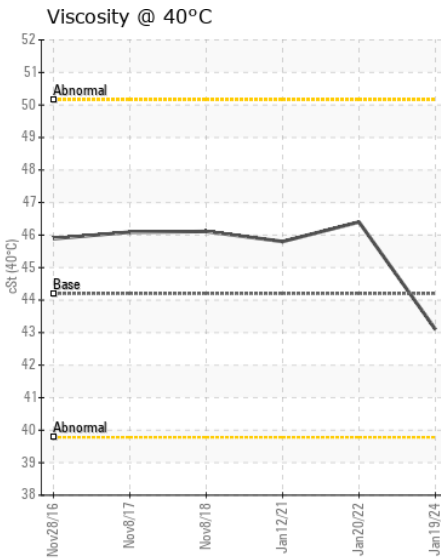
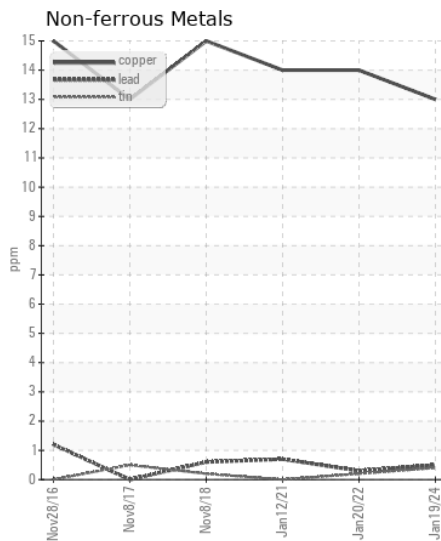
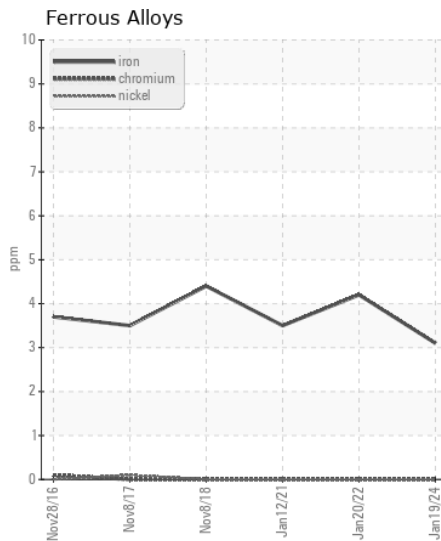
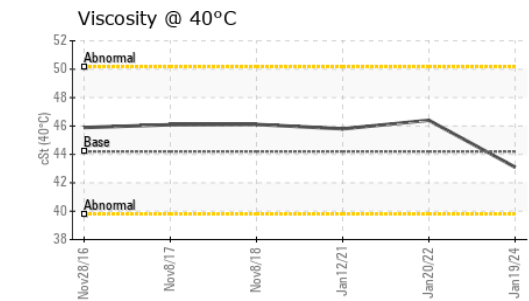
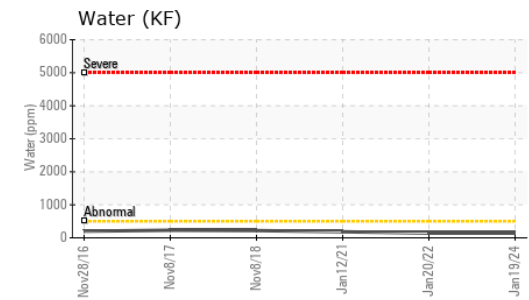
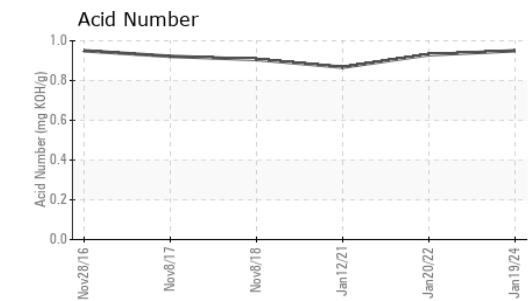
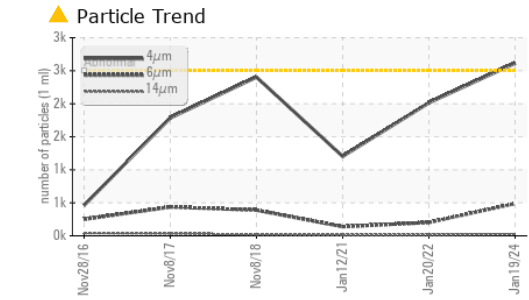
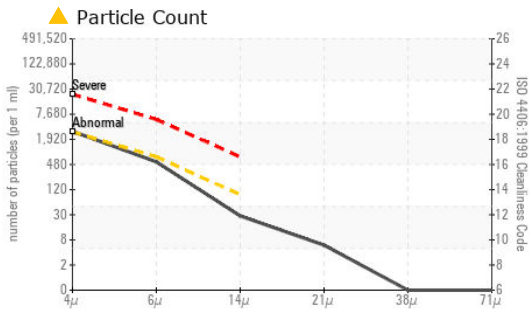
CONTAMINATION

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ST44447	ST42709	ST40908
Sample Date		Client Info		19 Jan 2024	20 Jan 2022	12 Jan 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	3	4	4
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	<1	<1	<1
Copper	ppm	ASTM D5185m	>20	13	14	14
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	1	1	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.05	0.014	0.014	0.018
ppm Water	ppm	ASTM D6304	>500	142	142.6	183.4
Particles >4µm		ASTM D7647	>2500	▲ 2614	2014	1203
Particles >6µm		ASTM D7647	>640	488	202	139
Particles >14µm		ASTM D7647	>80	25	14	11
Particles >21µm		ASTM D7647	>20	5	6	3
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	▲ 19/16/12	18/15/11	17/14/11
Silt	scalar	*Visual	NONE	NONE	NONE	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	>0.05	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	4	4
Boron	ppm	ASTM D5185m		0	2	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		10	12	11
Calcium	ppm	ASTM D5185m		137	145	145
Phosphorus	ppm	ASTM D5185m		571	530	530
Zinc	ppm	ASTM D5185m		790	752	730
Sulfur	ppm	ASTM D5185m		6944	5638	5885
Acid Number (AN)	mg KOH/g	ASTM D8045		0.95	0.93	0.867
Visc @ 40°C	cSt	ASTM D445	44.2	43.1	46.4	45.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ST44447 **Received** : 30 Jan 2024
Lab Number : 06074785 **Diagnosed** : 02 Feb 2024
Unique Number : 10856876 **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)

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F: