OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area
Bulk Storage
Machine Id
Inline Filtered Pre Dyno
Component
Bulk Fluid Tank
Fluid
MOBIL MULTI-VEHICLE ATF (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample.

Contamination
There is a high amount of particulates present in the oil.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**SBP0005133**	---	---
Sample Date		Client Info		**09 Jan 2024**	---	---
Machine Age	days	Client Info		**1**	---	---
Oil Age	days	Client Info		**1**	---	---
Oil Changed		Client Info		**Not Changd**	---	---
Sample Status				**ABNORMAL**	---	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**11**	---	---
Iron	ppm	ASTM D5185m		**0**	---	---
Chromium	ppm	ASTM D5185m		**<1**	---	---
Nickel	ppm	ASTM D5185m		**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m		**2**	---	---
Lead	ppm	ASTM D5185m		**0**	---	---
Copper	ppm	ASTM D5185m		**13**	---	---
Tin	ppm	ASTM D5185m		**2**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**83**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**<1**	---	---
Manganese	ppm	ASTM D5185m		**0**	---	---
Magnesium	ppm	ASTM D5185m		**4**	---	---
Calcium	ppm	ASTM D5185m		**96**	---	---
Phosphorus	ppm	ASTM D5185m		**211**	---	---
Zinc	ppm	ASTM D5185m		**<1**	---	---
Sulfur	ppm	ASTM D5185m		**1432**	---	---

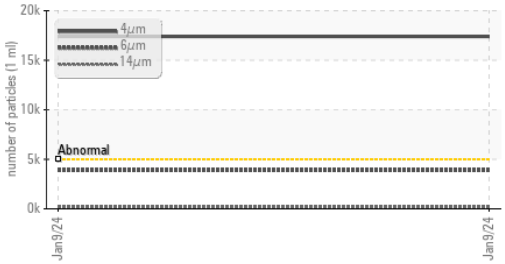
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		**5**	---	---
Sodium	ppm	ASTM D5185m		**0**	---	---
Potassium	ppm	ASTM D5185m	>20	**<1**	---	---
Water	%	ASTM D6304		**0.034**	---	---
ppm Water	ppm	ASTM D6304		**340**	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **17397**	---	---
Particles >6µm		ASTM D7647	>1300	▲ **3887**	---	---
Particles >14µm		ASTM D7647	>160	▲ **181**	---	---
Particles >21µm		ASTM D7647	>40	▲ **43**	---	---
Particles >38µm		ASTM D7647	>10	**2**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **21/19/15**	---	---

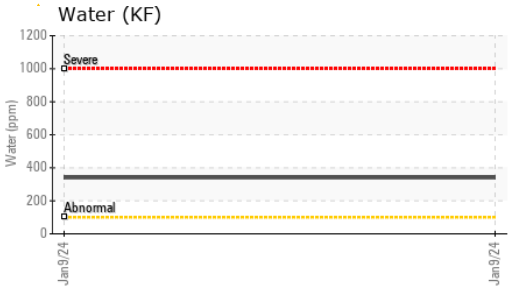
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.11**	---	---

OIL ANALYSIS REPORT

Particle Trend

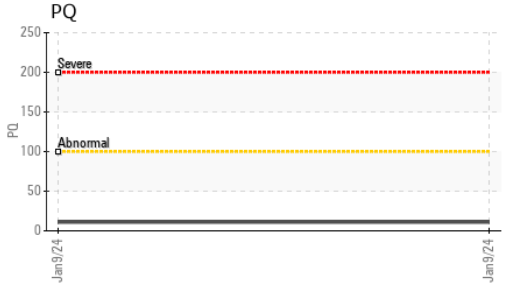


Water (KF)

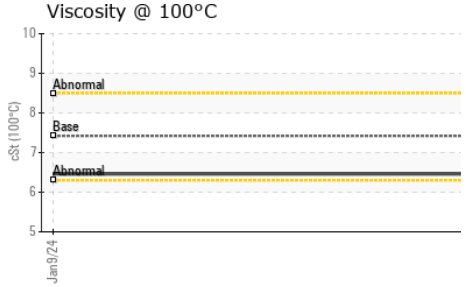


Viscosity @ 100°C

PQ



Viscosity @ 100°C



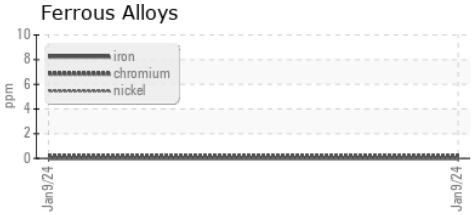
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34.1	**30.54**	---	---
Visc @ 100°C	cSt	ASTM D445	7.42	**6.46**	---	---
Viscosity Index (VI)	Scale	ASTM D2270	193	**172**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

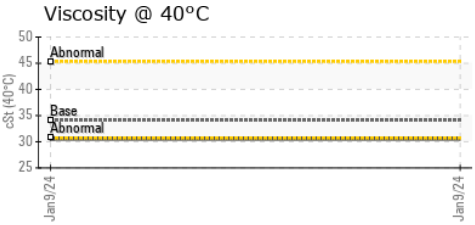
GRAPHS

Ferrous Alloys

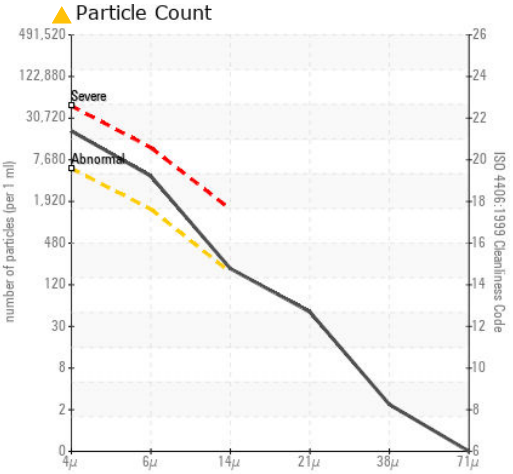


Non-ferrous Metals

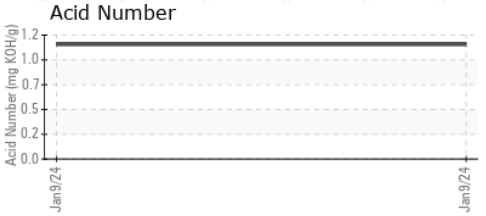
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0005133 **Recieved** : 18 Jan 2024
Lab Number : 06064661 **Diagnosed** : 24 Jan 2024
Unique Number : 10836043 **Diagnostician** : Doug Bogart
Test Package : PLANT (Additional Tests: KV100, VI)

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)

CERTIFIED TRANSMISSION
1801 S 54TH STREET
OMAHA, NE
US 68106
Contact: PRESTON JOHNSON
pjohnson@certifiedtransmission.com
T: (402)558-2117
F: (402)558-2202

Report Id: CEROMA [WUSCAR] 06064661 (Generated: 01/24/2024 12:05:44) Rev: 1

Submitted By: Scott Craven