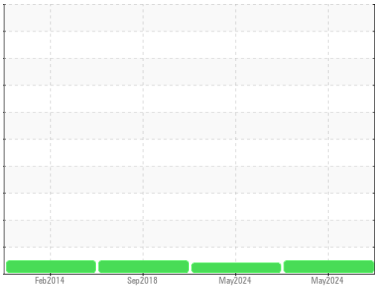
OIL ANALYSIS REPORT

Area
KANSAS/44/EG - OTHER SERVICE
Machine Id
05.96 [KANSAS^44^EG - OTHER SERVICE]
Component
Transmission
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the fluid.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0918360**	WC0918361	WCCF1921
Sample Date		Client Info		**01 May 2024**	01 May 2024	01 Sep 2018
Machine Age	hrs	Client Info		**7257**	7257	2966
Oil Age	hrs	Client Info		**2969**	4291	270
Oil Changed		Client Info		**Changed**	Not Changd	Changed
Sample Status				**NORMAL**	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	**74**	114	11
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	<1
Nickel	ppm	ASTM D5185m		**0**	0	<1
Titanium	ppm	ASTM D5185m		**<1**	0	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**11**	1	2
Lead	ppm	ASTM D5185m	>50	**11**	0	1
Copper	ppm	ASTM D5185m	>200	**31**	<1	<1
Tin	ppm	ASTM D5185m	>10	**<1**	0	0
Antimony	ppm	ASTM D5185m		**---**	---	<1
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

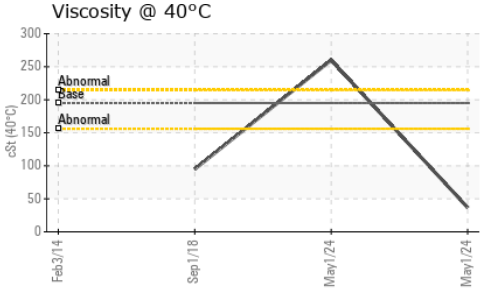
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**158**	287	26
Barium	ppm	ASTM D5185m		**2**	2	0
Molybdenum	ppm	ASTM D5185m		**2**	0	40
Manganese	ppm	ASTM D5185m		**3**	6	<1
Magnesium	ppm	ASTM D5185m		**27**	3	583
Calcium	ppm	ASTM D5185m		**85**	14	1614
Phosphorus	ppm	ASTM D5185m		**361**	1256	773
Zinc	ppm	ASTM D5185m		**32**	13	870
Sulfur	ppm	ASTM D5185m		**1124**	25367	2256

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**9**	33	5
Sodium	ppm	ASTM D5185m		**2**	3	5
Potassium	ppm	ASTM D5185m	>20	**3**	1	3

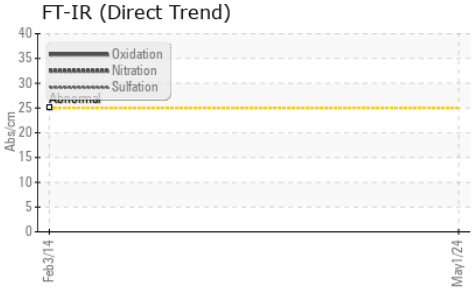
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		**---**	---	---

OIL ANALYSIS REPORT

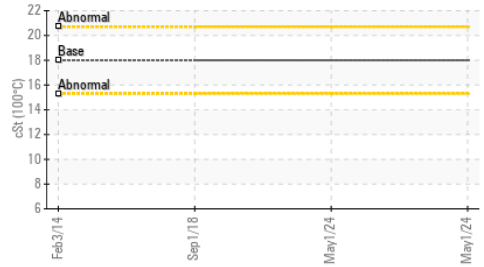
Viscosity @ 40°C



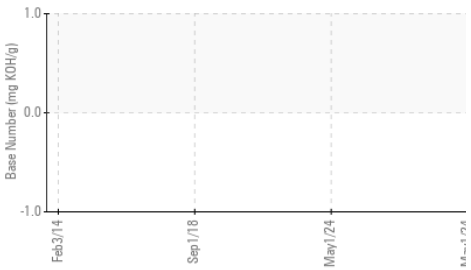
FT-IR (Direct Trend)



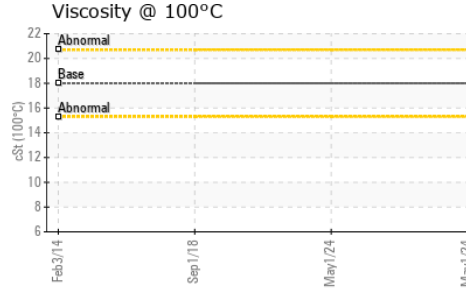
Viscosity @ 100°C



Base Number



Viscosity @ 100°C



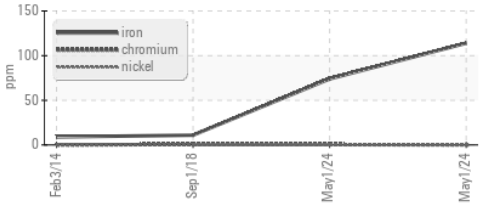
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	**36.69**	260	94.91
Visc @ 100°C	cSt	ASTM D445	18.0	**---**	---	---

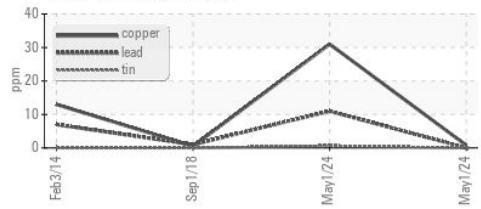
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

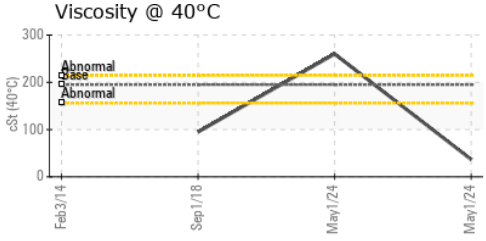
Ferrous Alloys



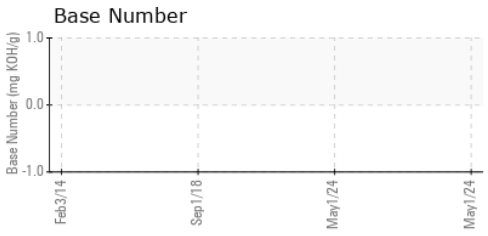
Non-ferrous Metals



Viscosity @ 40°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918360 **Received** : 10 May 2024
Lab Number : 06176455 **Tested** : 17 May 2024
Unique Number : 11022508 **Diagnosed** : 17 May 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: FT-IR, FuelDilution, KV100, TBN, 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)

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