CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
2H28
Machine Id
PETERBILT 367 TCK6046 (S/N 1XPTP4EX6JD482553)
Component
Transmission (Auto)
Fluid
SAE 50W (40 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

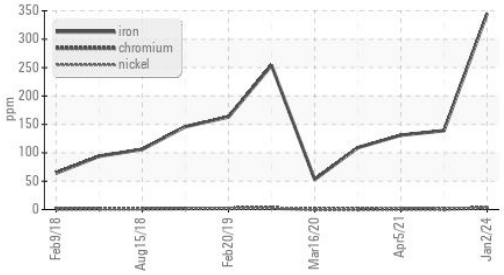
There is no indication of any contamination in the fluid.

FLUID CONDITION

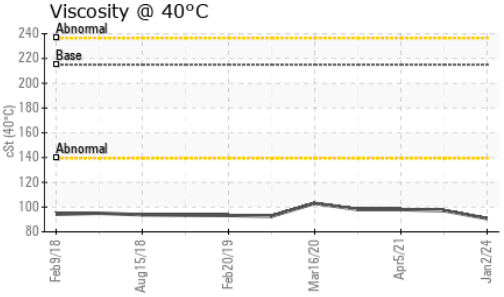
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ARI0007215	ARI05275928	ARI05222058
Sample Date		Client Info		02 Jan 2024	08 Jun 2021	05 Apr 2021
Machine Age	hrs	Client Info		4120	89596	88046
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>160	▲ 345	139	131
Chromium	ppm	ASTM D5185m	>5	3	1	<1
Nickel	ppm	ASTM D5185m	>5	3	<1	2
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	2	<1	<1
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>225	42	13	10
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	4	6	4
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	2	1
Boron	ppm	ASTM D5185m		195	128	146
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		2	<1	<1
Manganese	ppm	ASTM D5185m		8	4	4
Magnesium	ppm	ASTM D5185m		3	3	2
Calcium	ppm	ASTM D5185m		58	58	62
Phosphorus	ppm	ASTM D5185m		1103	1125	1056
Zinc	ppm	ASTM D5185m		0	7	8
Sulfur	ppm	ASTM D5185m		251	230	263
Visc @ 40°C	cSt	ASTM D445	215	90.7	97.1	98.0

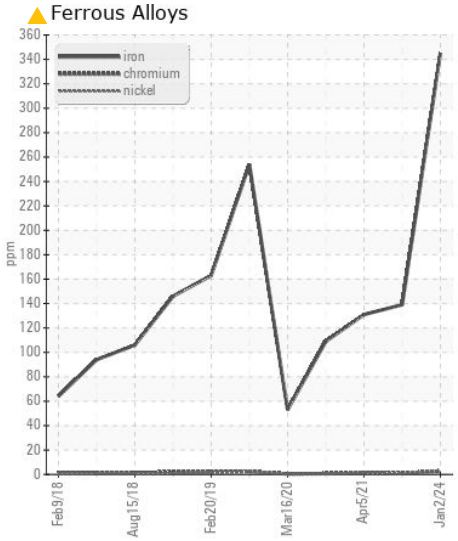
Ferrous Alloys



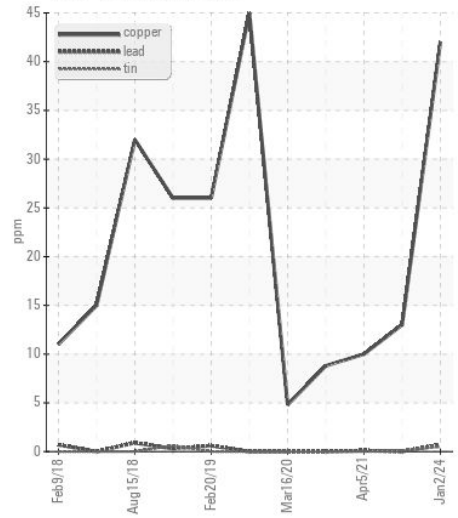
Viscosity @ 40°C



Ferrous Alloys



Non-ferrous Metals



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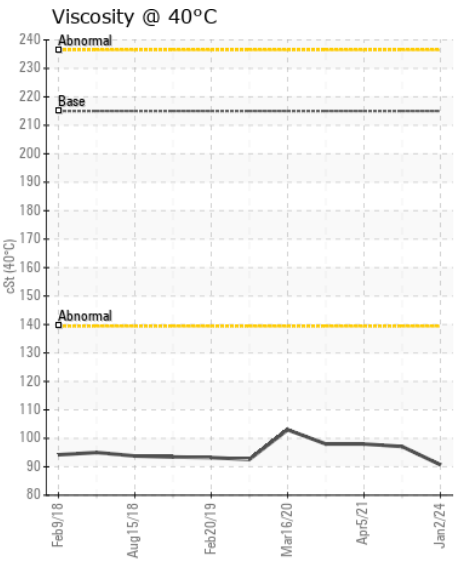

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0007215
Lab Number : 06054413
Unique Number : 10820362
Test Package : CONST

Recieved : 08 Jan 2024
Diagnosed : 10 Jan 2024
Diagnostician : Jonathan Hester

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)

INSITUFORM TECHNOLOGIES, INC
17988 EDISON AVE.
CHESTERFIELD, MO
US 63005
Contact: ANDY RICHTER
ARICHTER@INSITUFORM.COM
T: (314)280-7555
F: