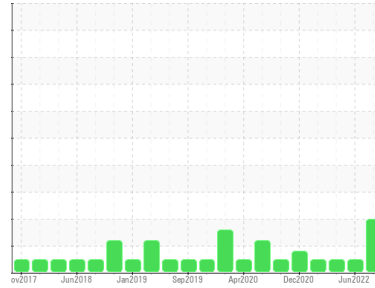




PROBLEM SUMMARY

Sample Rating Trend



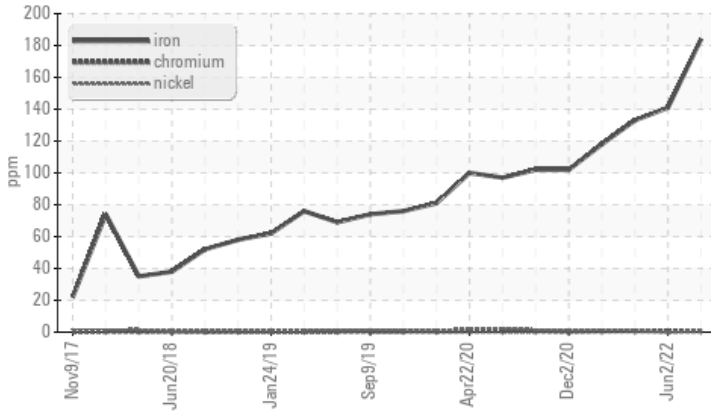
VISUAL METAL



Area
2H28
 Machine Id
PETERBILT 348 RTK9956 (S/N 2NP3LJ0X4JM467278)
 Component
Transmission (Auto)
 Fluid
DEXRON III (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status		ABNORMAL	NORMAL	NORMAL
Iron	ppm ASTM D5185m >160	▲ 184	141	133
White Metal	scalar *Visual NONE	▲ MODER	NONE	LIGHT

Customer Id: AR5208CHE
 Sample No.: ARI0004571
 Lab Number: 06015545
 Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

02 Jun 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



03 Nov 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



29 Jun 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



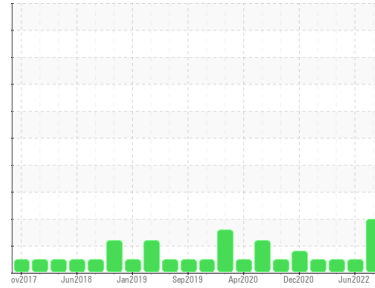


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
2H28
 Machine Id
PETERBILT 348 RTK9956 (S/N 2NP3LJ0X4JM467278)
 Component
Transmission (Auto)
 Fluid
DEXRON III (--- GAL)



DIAGNOSIS

Recommendation

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

Wear

Moderate concentration of visible metal present. 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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ARI0004571	ARI0003451	ARI0003463
Sample Date	Client Info		02 Oct 2023	02 Jun 2022	03 Nov 2021
Machine Age	mls	Client Info	137402	105581	93409
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			ABNORMAL	NORMAL	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 >160	▲ 184	141	133
Chromium	ppm	ASTM D5185m >5	<1	<1	<1
Nickel	ppm	ASTM D5185m >5	1	0	1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m >5	0	<1	0
Aluminum	ppm	ASTM D5185m >50	34	22	21
Lead	ppm	ASTM D5185m >50	10	9	9
Copper	ppm	ASTM D5185m >225	12	9	9
Tin	ppm	ASTM D5185m >10	2	2	2
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	93	112	109
Barium	ppm	ASTM D5185m	0	3	<1
Molybdenum	ppm	ASTM D5185m	<1	<1	<1
Manganese	ppm	ASTM D5185m	3	3	3
Magnesium	ppm	ASTM D5185m	<1	<1	0
Calcium	ppm	ASTM D5185m	41	36	18
Phosphorus	ppm	ASTM D5185m	272	254	264
Zinc	ppm	ASTM D5185m	0	4	0
Sulfur	ppm	ASTM D5185m	795	732	565

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	9	8	7
Sodium	ppm	ASTM D5185m	8	6	5
Potassium	ppm	ASTM D5185m >20	8	7	6

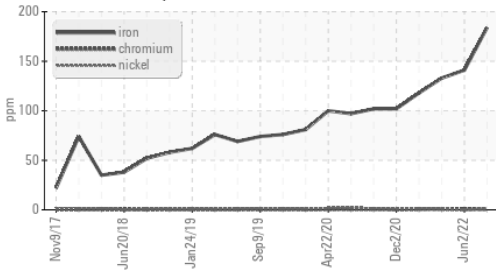
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ MODER	NONE	LIGHT
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	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
Free Water	scalar	*Visual	NEG	NEG	NEG

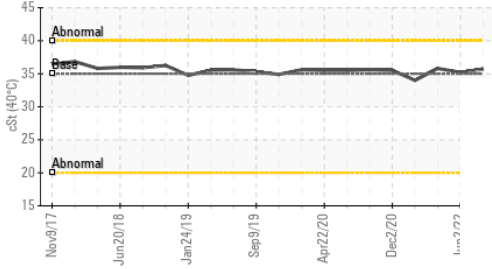


OIL ANALYSIS REPORT

▲ Ferrous Alloys



Viscosity @ 40°C



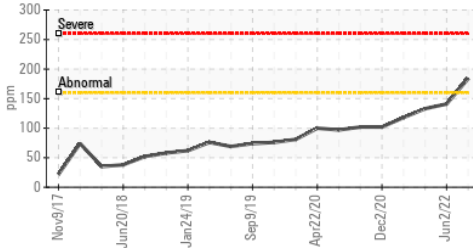
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	35.0	35.2	35.8

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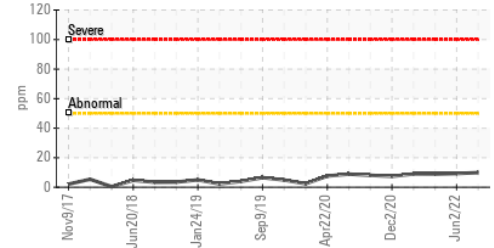
Color	no image	no image	no image
Bottom	no image	no image	no image

GRAPHS

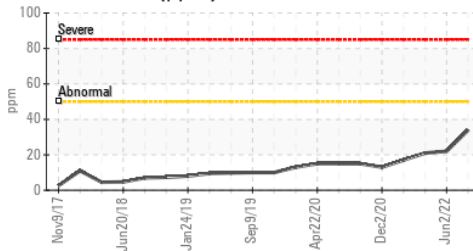
▲ Iron (ppm)



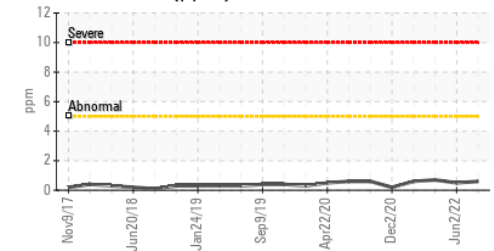
Lead (ppm)



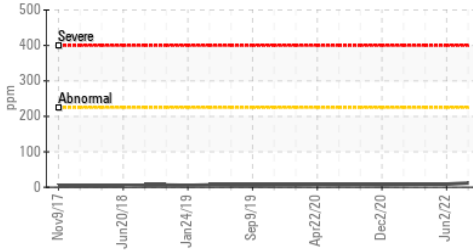
Aluminum (ppm)



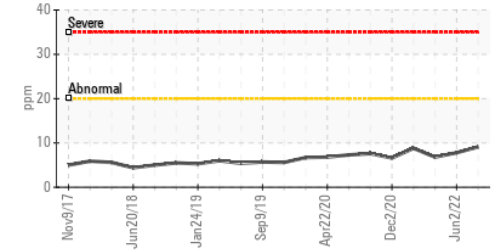
Chromium (ppm)



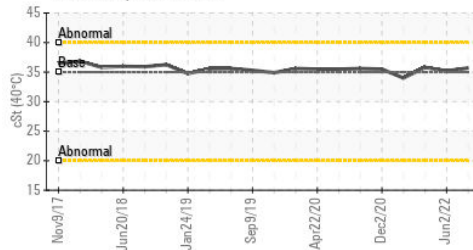
Copper (ppm)



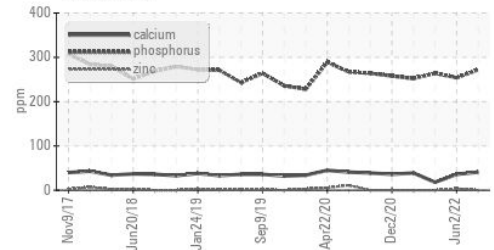
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0004571 **Received** : 22 Nov 2023
Lab Number : 06015545 **Diagnosed** : 27 Nov 2023
Unique Number : 10754689 **Diagnostician** : Jonathan Hester
Test Package : MOBCE

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

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)