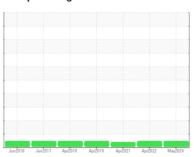


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **E-ONE TRUCK 41**

Component Hydraulic System

NOT GIVEN (--- PNT)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

Fluid Condition

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

Machine Age mls Client Info 1575 1575 0 Oil Age mls Client Info 1575 1575 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status NORMAL NORMAL NORMAL ABNORMAL 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 >20 1 1 2 Chromium ppm ASTM D5185m >10 <1 <1 <1 Nickel ppm ASTM D5185m >10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th></th> <th></th> <th>Jun2016</th> <th>Jun2017 Apr2018</th> <th>Aprž019 Aprž021 Aprž022</th> <th>May2024</th> <th></th>			Jun2016	Jun2017 Apr2018	Aprž019 Aprž021 Aprž022	May2024	
Client Info	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Client Info	Sample Number		Client Info		WC0930878	WC0683983	WC0543950
Machine Age mls Client Info 1575 1575 0 Oil Age mis Client Info 1575 1575 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status method Imitibase current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 1 1 2 Chromium ppm ASTM D5185m >20 1 1 2 Chromium ppm ASTM D5185m >10 0 0 1 Titanium ppm ASTM D5185m >10 0 0 0 Silver ppm ASTM D5185m >10 <1 <1 <1 Copper ppm ASTM D5185m >10 <1 <1 <1 <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>16 May 2024</th><th>21 Apr 2022</th><th>06 Apr 2021</th></t<>	Sample Date		Client Info		16 May 2024	21 Apr 2022	06 Apr 2021
Colient Info	Machine Age	mls	Client Info		-		0
Oil Changed Sample Status Client Info N/A N/A N/A ABNORMAL ABNORM	Oil Age	mls	Client Info		1575	1575	0
NORMAL NORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 history2	-		Client Info		N/A	N/A	N/A
Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >20 1 1 2 Chromium ppm ASTM D5185m >10 0 0 1 Nickel ppm ASTM D5185m >10 0 0 1 Silver ppm ASTM D5185m 0 0 0 0 Aluminum ppm ASTM D5185m >10 4 <1	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG	NEG	NEG
Chromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>20	1	1	2
Titanium	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Silver	Nickel	ppm	ASTM D5185m	>10	0	0	1
Aluminum ppm ASTM D5185m >10 4 <1 <1 Lead ppm ASTM D5185m >10 <1	Titanium	ppm	ASTM D5185m		<1	<1	<1
Lead ppm ASTM D5185m >10 <1 <1 1 Copper ppm ASTM D5185m >75 16 14 13 Tin ppm ASTM D5185m >10 <1	Silver	ppm	ASTM D5185m		0	0	0
Copper ppm ASTM D5185m >75 16 14 13 Tin ppm ASTM D5185m >10 <1	Aluminum	ppm	ASTM D5185m	>10	4	<1	<1
Tin ppm ASTM D5185m >10 <1 <1 <1 <1 <1 Antimony ppm ASTM D5185m >10 <1 <1 <1 <1 <1 Antimony ppm ASTM D5185m	Lead	ppm	ASTM D5185m	>10	<1	<1	1
Antimony ppm ASTM D5185m 21 Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 <1 0 Barium ppm ASTM D5185m 2 0 0 0 Molybdenum ppm ASTM D5185m 1 2 2 0 Manganese ppm ASTM D5185m 0 <1 0 0 Magnesium ppm ASTM D5185m 300 296 309 309 Phosphorus ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m	Copper	ppm	ASTM D5185m	>75	16	14	13
Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m 0 <1	Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Cadmium ppm ASTM D5185m 0 <1	Antimony	ppm	ASTM D5185m				21
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 <1 Barium ppm ASTM D5185m 2 0 0 Molybdenum ppm ASTM D5185m 1 2 2 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 40 42 44 Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m 29 31 30 </th <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Vanadium	ppm	ASTM D5185m		0	0	0
Boron ppm ASTM D5185m 0 0 <1	Cadmium	ppm	ASTM D5185m		0	<1	0
Barium ppm ASTM D5185m 2 0 0 Molybdenum ppm ASTM D5185m 1 2 2 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 40 42 44 Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 1 2 2 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 40 42 44 Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 2 2 White Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar	Boron	ppm	ASTM D5185m		0	0	<1
Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 40 42 44 Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m >20 2 2 2 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>2</th> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m		2	0	0
Magnesium ppm ASTM D5185m 40 42 44 Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar	Molybdenum	ppm	ASTM D5185m		1	2	2
Calcium ppm ASTM D5185m 300 296 309 Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual	Manganese	ppm	ASTM D5185m		0	<1	0
Phosphorus ppm ASTM D5185m 473 470 497 Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE Silt scalar *Visual NONE NONE NONE Sand/Dirt scalar	Magnesium	ppm	ASTM D5185m		40	42	44
Zinc ppm ASTM D5185m 564 566 561 Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual 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 NONE NONE	Calcium	ppm	ASTM D5185m		300	296	309
Sulfur ppm ASTM D5185m 1377 1101 1139 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE	Phosphorus	ppm	ASTM D5185m		473	470	497
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE VLITE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Zinc	ppm	ASTM D5185m		564	566	561
Silicon ppm ASTM D5185m >20 1 2 1 Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE VLITE 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 NONE NONE NONE	Sulfur	ppm	ASTM D5185m		1377	1101	1139
Sodium ppm ASTM D5185m 29 31 30 Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE VLITE 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 NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE	CONTAMINANT	S	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 2 22 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE VLITE 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 NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE	Silicon	ppm	ASTM D5185m	>20	1	2	1
VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE VLITE 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 NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE		ppm	ASTM D5185m		29	31	30
White Metal scalar *Visual NONE NONE VLITE 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 NONE LIGHT ▲ MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE	Potassium	ppm	ASTM D5185m	>20	2	2	22
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	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE LIGHT ▲ MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE	White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Silt scalar *Visual NONE NONE NONE NONE Debris scalar *Visual NONE NONE LIGHT ▲ MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debris scalar *Visual NONE NONE LIGHT ▲ MODER Sand/Dirt scalar *Visual NONE NONE NONE NONE	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE NONE	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	LIGHT	▲ MODER
Appearance scalar *Visual NORML NORML NORML NORML NORML	Sand/Dirt						
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE

Odor

Emulsified Water

scalar *Visual

scalar *Visual

*Visual

scalar

NORML

NORML

Supported By: RANDEYGPRICE

NORML

NEG

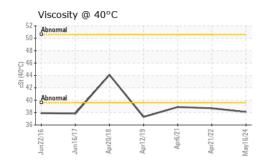
NEG

NORML

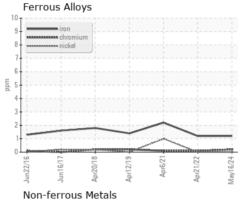
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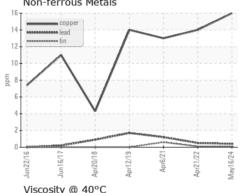


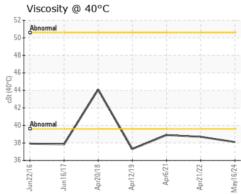
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		38.1	38.7	38.9
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image









Certificate 12367

Laboratory

Sample No. : WC0930878 Lab Number : 06200975 Unique Number : 11063098 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024

Tested : 06 Jun 2024 : 06 Jun 2024 - Wes Davis Diagnosed

Contact: ALLEN WIGGINS AWIGGINS@MONTGOMERYAL.GOV T: (334)625-2151

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)

MONTGOMERY FIRE DEPT

3003 E SOUTH BLVD

MONTGOMERY, AL

US 36104