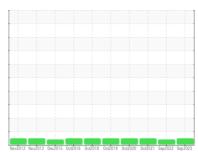


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



E-ONE TOWER 615

Component

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- GAL)

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.

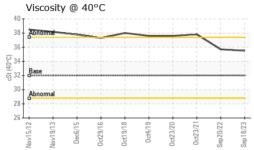
Fluid Condition

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

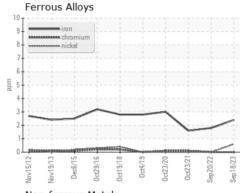
		Nov2012 Nov2	013 Dec2015 Oct2016 Oct2	018 Oct2019 Oct2020 Oct2021 Sep.2	2022 Sep 2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0850888	WC0736861	WC0624429
Sample Date		Client Info		18 Sep 2023	20 Sep 2022	23 Oct 2021
Machine Age	hrs	Client Info		0	33257	1963
Oil Age	hrs	Client Info		0	33257	33257
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	2	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	<1	<1
Copper	ppm	ASTM D5185m	>75	6	6	9
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				11
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	2
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	5	1	1	2
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	25	13	12	19
Calcium	ppm	ASTM D5185m	200	147	149	199
Phosphorus	ppm	ASTM D5185m	300	369	367	434
Zinc	ppm	ASTM D5185m	370	466	443	508
Sulfur	ppm	ASTM D5185m	2500	1172	1285	1104
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	<1
Sodium	ppm	ASTM D5185m		9	9	12
Potassium	ppm	ASTM D5185m	>20	1	0	<1
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	NONE	▲ MODER	LIGHT
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

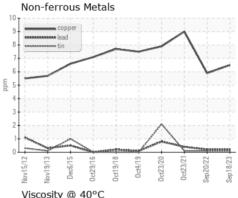


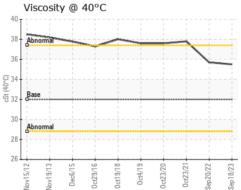
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	35.5	35.7	37.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10669119

: WC0850888 : 05962568 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 27 Sep 2023 Diagnosed : 28 Sep 2023 Diagnostician : Wes Davis

NORWALK FIRE 1100 CHATHAM AVE NORWALK, IA US 50211

Contact: RYAN COBURN

RCOBURN@NORWALK.IOWA.GOV T: (515)981-4316

* - 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) F: (515)981-4779