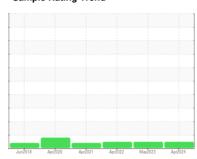


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id

# **E-ONE LADDER 311**

Component Hydraulic System

**AW HYDRAULIC OIL ISO 46 (52 GAL)** 

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

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

SAMPLE INFORMA	MOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917777	WC0801381	WC0658014
Sample Date		Client Info		07 Apr 2024	16 May 2023	27 Apr 2022
•	hrs	Client Info		0	1999	1999
	hrs	Client Info		0	1999	1999
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	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 p	ppm	ASTM D5185m	>20	2	4	4
Chromium p	ppm	ASTM D5185m	>10	0	<1	<1
Nickel p	ppm	ASTM D5185m	>10	0	<1	0
Titanium p	ppm	ASTM D5185m		0	0	0
Silver p	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTM D5185m	>10	0	<1	<1
Lead p	ppm	ASTM D5185m	>10	10	<1	<1
Copper	ppm	ASTM D5185m	>75	4	6	5
Tin p	ppm	ASTM D5185m	>10	0	0	<1
	ppm	ASTM D5185m				
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
	nnm	ASTM D5185m	5	0	28	29
	ppm	ASTM D5185m	5	0	0	0
	ppm	ASTM D5185m	5	0	6	6
	ppm ppm	ASTM D5185m	5	0	0	<1
iviarigariese p	UDIII	HOUR DO LOOM		U	U	< 1
Magnagium			25	2	2.4	27
	ppm	ASTM D5185m	25	2	34	37
Calcium	ppm ppm	ASTM D5185m ASTM D5185m	200	75	2736	2662
Calcium phosphorus p	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	200 300	75 311	2736 1018	2662 1034
Calcium phosphorus particles processed process	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	200 300 370	75 311 383	2736 1018 1173	2662 1034 1135
Calcium p Phosphorus p Zinc p Sulfur p	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	200 300 370 2500	75 311 383 3327	2736 1018 1173 4967	2662 1034 1135 3878
Calcium phosphorus particular phosphorus particular par	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	200 300 370	75 311 383	2736 1018 1173	2662 1034 1135
Calcium p Phosphorus p Zinc p Sulfur p CONTAMINANTS Silicon p	opm opm opm opm opm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	200 300 370 2500 limit/base	75 311 383 3327 current	2736 1018 1173 4967 history1	2662 1034 1135 3878 history2
Calcium phosphorus particles processed process	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	200 300 370 2500 limit/base	75 311 383 3327 current	2736 1018 1173 4967 history1	2662 1034 1135 3878 history2
Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m	200 300 370 2500 limit/base >20	75 311 383 3327 current 1	2736 1018 1173 4967 history1 11	2662 1034 1135 3878 history2 12
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium  VISUAL	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  method ASTM D5185m ASTM D5185m ASTM D5185m	200 300 370 2500 limit/base >20 >20	75 311 383 3327 current 1 <1	2736 1018 1173 4967 history1 11 0	2662 1034 1135 3878 history2 12 2 <1
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm	ASTM D5185m	200 300 370 2500 limit/base >20 limit/base	75 311 383 3327 current 1 <1 0 current	2736 1018 1173 4967 history1 11 0 2	2662 1034 1135 3878 history2 12 2 <1
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Selicon Selic	ppm	ASTM D5185m *Visual	200 300 370 2500  limit/base >20  >20  limit/base NONE	75 311 383 3327 current 1 <1 0 current NONE	2736 1018 1173 4967 history1 11 0 2 history1 NONE	2662 1034 1135 3878 history2 12 2 <1 history2
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  *Visual	200 300 370 2500 limit/base >20 >20 limit/base NONE NONE	75 311 383 3327 current 1 <1 0 current NONE NONE	2736 1018 1173 4967 history1 11 0 2 history1 NONE NONE	2662 1034 1135 3878 history2 12 2 <1 history2 LIGHT NONE
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium  VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  Method *Visual *Visual *Visual	200 300 370 2500 limit/base >20 >20 limit/base NONE NONE NONE	75 311 383 3327 current 1 <1 0 current NONE NONE NONE	2736 1018 1173 4967 history1 11 0 2 history1 NONE NONE	2662 1034 1135 3878 history2 12 2 <1 history2 LIGHT NONE NONE
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium  VISUAL White Metal Yellow Metal Precipitate Silt Silt Selowins Silt Selowins	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m  ASTM D5185m  *Visual  *Visual  *Visual  *Visual	200 300 370 2500 limit/base >20  >20 limit/base NONE NONE NONE NONE	75 311 383 3327 current 1 <1 0 current NONE NONE NONE NONE NONE	2736 1018 1173 4967 history1 11 0 2 history1 NONE NONE NONE NONE	2662 1034 1135 3878 history2 12 2 <1 history2 LIGHT NONE NONE
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium  VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	pppm pppm pppm pppm pppm pppm pppm ppp	ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual	200 300 370 2500 limit/base >20 see NONE NONE NONE NONE NONE NONE NONE	75 311 383 3327  current 1 <1 0  current NONE NONE NONE NONE NONE NONE NONE NON	2736 1018 1173 4967 history1 11 0 2 history1 NONE NONE NONE NONE NONE NONE	2662 1034 1135 3878 history2 12 2 <1 history2 LIGHT NONE NONE NONE LIGHT
Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Sand/Dirt Sand/Dirt Sphosphorus Silicon Sodium Sodi	ppm	ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	200 300 370 2500 limit/base >20 see NONE NONE NONE NONE NONE NONE NONE NONE	75 311 383 3327 current 1 <1 0 current NONE NONE NONE NONE NONE NONE NONE NON	2736 1018 1173 4967 history1 11 0 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	2662 1034 1135 3878 history2 12 2 <1 history2 LIGHT NONE NONE NONE LIGHT NONE

**Emulsified Water** 

scalar \*Visual

scalar \*Visual

>0.1

NEG

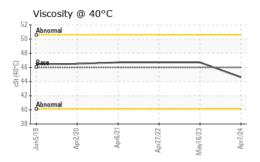
NEG

NEG

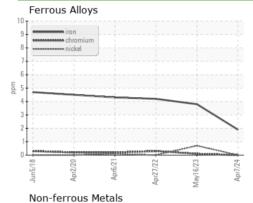
Supported By: RANDEYGPRICE

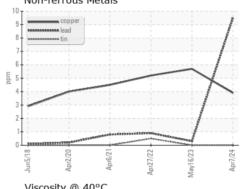


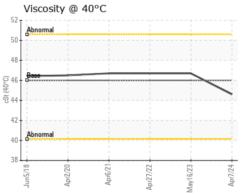
## **OIL ANALYSIS REPORT**



FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.6	46.7	46.7
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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0917777 Lab Number : 06155416 Unique Number : 10990839 Test Package : FLEET

Received : 19 Apr 2024 Tested

Diagnosed

: 22 Apr 2024 : 24 Apr 2024 - Don Baldridge **ODEBOLT FIRE DEPT** 213 W 2ND ST ODEBOLT, IA US 51458

Contact: GREG NEVILLE nevilleconst@netins.net T: (712)369-1462

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)

Report Id: ODEODEIA [WUSCAR] 06155416 (Generated: 04/24/2024 13:17:35) Rev: 1

Submitted By: RANDY PRICE