

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **E-ONE LADDER 1** Component **Rear Hydraulic System** Fluid **AW HYDRAULIC OIL ISO 32 (--- GAL)**

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

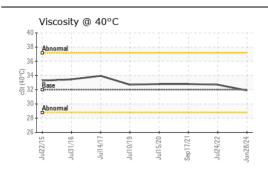
There is no indication of any contamination in the oil.

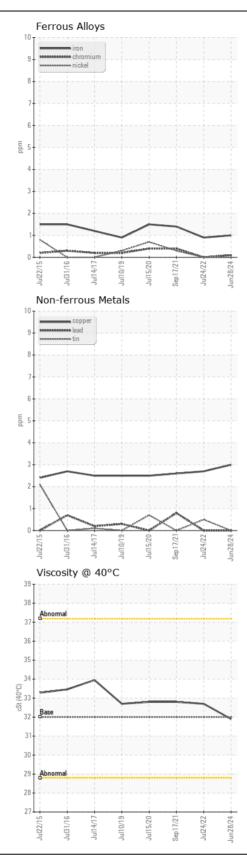
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947539	WC0703704	WC0609611
Sample Date		Client Info		28 Jun 2024	24 Jul 2022	17 Sep 2021
Machine Age	hrs	Client Info		0	49300	0
Oil Age	hrs	Client Info		0	49300	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	1	<1	1
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m	210	0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	3	3	3
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	<1	1	2
Silicon Potassium		ASTM D5185m ASTM D5185m	>20 >20	<1 0	1 0	2 5
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >20 >20	<1 0 NEG	1 0 NEG	2 5 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >20 >0.1 NONE	<1 0 NEG NONE	1 0 NEG NONE	2 5 NEG NONE
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >20 >0.1 NONE NONE	<1 0 NEG NONE LIGHT	1 0 NEG NONE NONE	2 5 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >20 >0.1 NONE NONE NONE	<1 0 NEG NONE LIGHT NONE	1 0 NEG NONE NONE	2 5 NEG NONE NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE LIGHT NONE NORML	1 0 NEG NONE NONE NONE NORML	2 5 NEG NONE NONE NONE NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE LIGHT NONE NORML NORML	1 0 NEG NONE NONE NONE NORML NORML	2 5 NEG NONE NONE NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE LIGHT NONE NORML	1 0 NEG NONE NONE NONE NORML	2 5 NEG NONE NONE NONE NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE LIGHT NONE NORML NORML	1 0 NEG NONE NONE NONE NORML NORML	2 5 NEG NONE NONE NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE LIGHT NONE NORML NORML NEG	1 0 NEG NONE NONE NONE NORML NEG	2 5 NEG NONE NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NORME NORML >0.1	<1 0 NEG NONE LIGHT NONE NORML NORML NEG 2	1 0 NEG NONE NONE NORML NORML NEG 0	2 5 NEG NONE NONE NORML NORML NEG <1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NORME NORML >0.1	<1 0 NEG NONE LIGHT NORML NORML NEG 2 0	1 0 NEG NONE NONE NORML NORML NEG 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NORML NORML >0.1	<1 0 NEG NONE LIGHT NORML NORML NORML NEG 2 0 0	1 0 NEG NONE NONE NONE NORML NORML NEG 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NORML NORML >0.1	<1 0 NEG NONE LIGHT NORML NORML NEG 2 0 0 0	1 0 NEG NONE NONE NORML NORML NEG 0 0 2 1 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0 <1
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NORME NORML >0.1	<1 0 NEG NONE LIGHT NORML NORML NEG 2 0 0 0 0 0 0	1 0 NEG NONE NONE NORML NORML NEG 0 0 <1 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0 <1 2 0 <1 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NORML >0.1 5 5 5 5 25	<1 0 NEG NONE LIGHT NORML NORML NEG 2 0 0 0 0 0 0 0 1 0	1 0 NEG NONE NONE NORML NORML NEG 0 0 <1 0 0 <1 0 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0 <1 0 <1 0 0 <1 0
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NORML NORML >0.1 5 5 5 5 5 2 2 200	<1 0 NEG NONE LIGHT NORML NORML NORML 2 0 0 0 0 2 0 0 0 0 39	1 0 NEG NONE NONE NORML NORML NEG 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0 <1 2 0 <1 0 <1 0 <1 48
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >20 >20 >0.1 NONE NORML >0.1 5 5 5 25 200 300 	<1 0 NEG NONE LIGHT NORML NORML NEG 2 0 0 0 2 0 0 0 0 39 169	1 0 NEG NONE NONE NORML NORML NEG 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 5 NEG NONE NONE NORML NORML NEG <1 2 0 <1 2 0 <1 0 <1 48 186

Submitted By: RANDY PRICE





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0947539 Received : 11 Jul 2024 Lab Number : 06233682 Tested : 12 Jul 2024 Unique Number : 11117175 Diagnosed : 12 Jul 2024 - Wes Davis Test Package : FLEET Contact: JOE MICHAELSEN Certificate L2367 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. T: (815)589-3030 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: RANDY PRICE

F:

Page 2 of 2

1802 16TH AVE FULTON, IL US 61252

FULTON FIRE DEPT