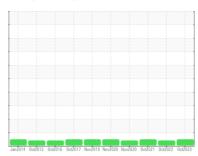


OIL ANALYSIS REPORT

Sample Rating Trend





E-ONE LADDER 4

Component

Hydraulic System

AW HYDRAULIC OIL ISO 32 (--- QTS)

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

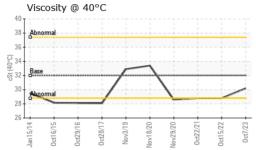
The condition of the oil is acceptable for the time in service.

		Janzui 4 Uctzi	015 Oct2016 Oct2017 Nov2	:013 N0V2020 N0V2020 OCIZ021 OCI	2022 002023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0850900	WC0736881	WC0624592
Sample Date		Client Info		07 Oct 2023	15 Oct 2022	22 Oct 2021
Machine Age	mls	Client Info		0	63270	63270
Oil Age	mls	Client Info		0	63270	63270
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	4	4
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	2	4	3
Tin	ppm	ASTM D5185m	>10	0	0	0
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	5	0	1	4
Barium	ppm	ASTM D5185m	5	<1	4	<1
Molybdenum	ppm	ASTM D5185m	5	<1	2	2
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	3	6	5
Calcium	ppm	ASTM D5185m	200	89	116	109
Phosphorus						
	ppm	ASTM D5185m	300	350	410	395
Zinc	ppm	ASTM D5185m ASTM D5185m	300 370	350 501	410 547	395 513
Zinc Sulfur						
	ppm	ASTM D5185m	370	501 1608	547	513
Sulfur	ppm	ASTM D5185m ASTM D5185m	370 2500	501 1608	547 2206	513 2256
Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m method	370 2500 limit/base	501 1608 current	547 2206 history1	513 2256 history2
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	370 2500 limit/base >20	501 1608 current	547 2206 history1	513 2256 history2
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	370 2500 limit/base >20	501 1608 current 4 0	547 2206 history1 6 0	513 2256 history2 7 <1
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	370 2500 limit/base >20 >20 limit/base	501 1608 current 4 0 0 current NONE	547 2206 history1 6 0 2 history1 NONE	513 2256 history2 7 <1 0 history2 NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	370 2500 limit/base >20 >20 limit/base	501 1608 current 4 0 0	547 2206 history1 6 0 2 history1	513 2256 history2 7 <1 0
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	370 2500 limit/base >20 >20 limit/base	501 1608 current 4 0 0 current NONE	547 2206 history1 6 0 2 history1 NONE	513 2256 history2 7 <1 0 history2 NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE	501 1608 current 4 0 0 current NONE NONE	547 2206 history1 6 0 2 history1 NONE	513 2256 history2 7 <1 0 history2 NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE NONE	501 1608 current 4 0 0 current NONE NONE NONE	547 2206 history1 6 0 2 history1 NONE NONE	513 2256 history2 7 <1 0 history2 NONE NONE NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE NONE	501 1608 current 4 0 0 current NONE NONE NONE NONE	547 2206 history1 6 0 2 history1 NONE NONE NONE	513 2256 history2 7 <1 0 history2 NONE NONE NONE NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE	501 1608 current 4 0 0 current NONE NONE NONE NONE NONE NONE	547 2206 history1 6 0 2 history1 NONE NONE NONE NONE NONE MODER	513 2256 history2 7 <1 0 history2 NONE NONE NONE NONE LIGHT
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	501 1608 current 4 0 0 current NONE NONE NONE NONE NONE NONE NONE NO	547 2206 history1 6 0 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	513 2256 history2 7 <1 0 history2 NONE NONE NONE LIGHT NONE
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual	370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	501 1608 current 4 0 0 current NONE NONE NONE NONE NONE NONE NONE NON	547 2206 history1 6 0 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	513 2256 history2 7 <1 0 history2 NONE NONE NONE NONE NONE NONE NONE NON

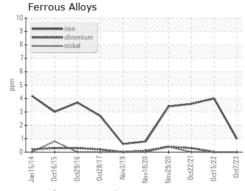
Submitted By: RANDY PRICE



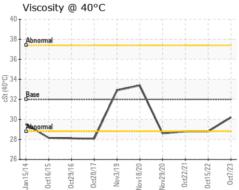
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	32	30.2	28.8	28.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image



Non-ferrous Metals





Laboratory

Sample No. Lab Number Test Package : FLEET

: WC0850900 : 05997060 Unique Number : 10725420

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 02 Nov 2023 Received Diagnosed : 03 Nov 2023 Diagnostician : Wes Davis

GLASGOW FIRE DEPT 130 CROSS ST GLASGOW, KY

> US 42141 Contact: FIRE CHIEF

GFDAMOULDER@GLASGOW-KY.COM

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

T: (270)651-5170

Submitted By: RANDY PRICE

* - 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: