

Machine Id FERRARA 552 Component Front Hydraulic System Fluid AW HYDRAULIC OIL ISO 32 (--- QTS)

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

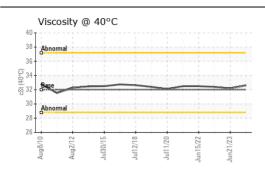
There is no indication of any contamination in the oil.

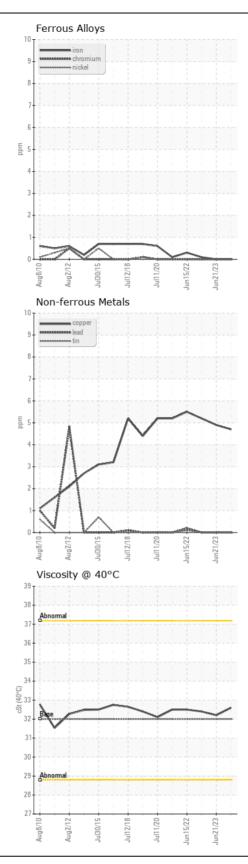
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0917769	WC0826552	WC0736862
Sample Date		Client Info		19 Apr 2024	21 Jun 2023	21 Sep 2022
Machine Age	mls	Client Info		19439	19439	17148
Oil Age	mls	Client Info		19439	19439	17148
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron		ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	>10	0	-	0
Silver	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	× 10	0	-	
Aluminum Lead	ppm	ASTM D5185m	>10 >10	0	<1 0	<1
	ppm	ASTM D5185m	>75	-	-	5
Copper Tin	ppm	ASTM D5185m	>10	5 0	5	0
Vanadium	ppm	ASTM D5185m	>10	0	0	0
White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal		*Visual	NONE	NONE	NONE	NONE
	scalar	visuai	NONE		NONE	NONE
Silicon						
emeen	ppm	ASTM D5185m	>20	0	<1	1
Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	0 0	<1 <1	1 0
			_	-		
Potassium		ASTM D5185m	>20	0	<1	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	0 NEG	<1 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	0 NEG NONE	<1 NEG NONE	0 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	0 NEG NONE NONE	<1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	0 NEG NONE NONE NONE	<1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	0 NEG NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	0 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1	0 NEG NONE NONE NORML NORML NEG <1 0	<1 NEG NONE NONE NORML NORML NEG <1 0	0 NEG NONE NONE NORML NORML NEG <1 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 5 5	0 NEG NONE NONE NORML NORML NEG <1 0 0	<1 NEG NONE NONE NORML NORML NEG <1 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1	0 NEG NONE NONE NORML NORML NEG <1 0 0 0	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0 2
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 5 5 5 5	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 <1 <1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 5 5 5 5 25	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 0 9	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 14	0 NEG NONE NONE NORML NORML NEG <1 0 0 <1 <1 (1 11
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 5 5 5 5 2 2 2 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 9 9 95	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 14 92	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 <1 <1 <1 <1 11 91
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 5 5 5 5 2 2 2 0 0 2 0 0 3 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 9 9 95 397	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 14 92 394	0 NEG NONE NONE NORML NORML NEG <1 0 0 <1 <1 0 0 0 1 <1 11 91 384
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 5 5 5 5 2 5 200 300 370	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 0 9 9 95 397 400	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 14 92 394 413	0 NEG NONE NONE NORML NORML NEG <1 0 0 (<1 (1 1 1 1 91 384 398
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 5 5 5 5 2 2 2 0 0 2 0 0 3 0 0	0 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 0 9 9 95 397	<1 NEG NONE NONE NORML NORML NEG <1 0 0 0 0 0 14 92 394	0 NEG NONE NONE NORML NORML NEG <1 0 0 <1 <1 0 0 0 1 <1 11 91 384

Submitted By: RANDY PRICE





EFFINGHAM FIRE 505 W FAYETTE EFFINGHAM, IL US 62401 Contact: AJ TACKETT

F:



Unique Number : 11022468 Diagnosed : 13 May 2024 - Wes Davis Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tacketta@ci.effingham.il.us * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (217)342-2555 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 10 May 2024

: 13 May 2024

Laboratory

Sample No.

Lab Number : 06176415

: WC0917769

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