

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id FERRARA LADDER 1 Component Hydraulic System Fluid NOT GIVEN (--- LTR)

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.

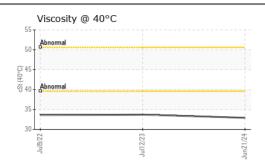
FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0947569	WC0826475	WC0703670
Sample Date		Client Info		21 Jun 2024	12 Jul 2023	09 Jul 2022
Machine Age	hrs	Client Info		193	193	0
Oil Age	hrs	Client Info		193	193	0
Filter Age	hrs	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			. 00	.4	.4	.4
Chromium	ppm	ASTM D5185m	>20 >10	<1	<1	<1
	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	. 10	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	2	2	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m	NONE	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	2	2
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	1 0	2 <1	2
				-		
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	<1 NEG NONE 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	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 NEG NONE NONE NORML NORML NEG	<1 NEG NONE NONE NORML NORML NEG 1	0 NEG NONE NONE NORML NORML NEG 0
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 NORML	0 NEG NONE NONE NORML NORML NEG 4 0	<1 NEG NONE NONE NORML NORML NEG 1 0	0 NEG NONE NONE NORML NORML NEG 0 <1
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 NEG NONE NONE NORML NORML NEG 4 0	<1 NEG NONE NONE NORML NORML NEG 1 0 0	0 NEG NONE NONE NORML NORML NEG 0 <1 <1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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 NORML	0 NEG NONE NONE NORML NORML NEG 4 0 0 2	<1 NEG NONE NONE NORML NORML NEG 1 0 0 2	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 <1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar 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 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 <1 1 0
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 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1 <1 7	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 <1 11	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 1 0 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 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1 <1 7 89	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 <1 11 84	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 <1 1 0 11 91
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar 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	>20 >0.1 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1 <1 7 89 414	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 <1 11 84 424	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 <1 0 1 1 0 11 91 416
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 NORML	0 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1 <1 7 89 414 417	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 11 84 424 453	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 1 0 11 91 416 466
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar 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	>20 >0.1 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG 4 0 0 <1 <1 <1 7 89 414	<1 NEG NONE NONE NORML NORML NEG 1 0 0 <1 <1 <1 11 84 424	0 NEG NONE NONE NORML NORML NEG 0 <1 <1 <1 0 1 1 0 11 91 416

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Submitted By: RANDY PRICE



Ferrous Alloys 10 mqq 0 2/6l Non-ferrous Metals 10 lead mdo Viscosity @ 40°C 52 50 48 46 44 çî 42 경 40 38 36 34 32 30 Jul9/22 Jun21/24



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Laboratory Sample No. : WC0947569 Received : 11 Jul 2024 Lab Number : 06233702 Tested : 12 Jul 2024 Unique Number : 11117195 Diagnosed : 12 Jul 2024 - Wes Davis Test Package : FLEET Contact: CHIEF 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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