

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION

Machine Id AG0533 (S/N 524202-2) Component Gearbox Fluid ARMOR PLATE 100 (3 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

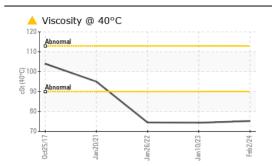
There is no indication of any contamination in the oil.

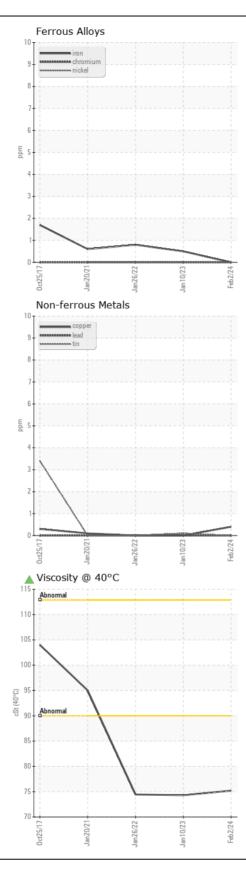
FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0773802	WC0773797	WC0387699
Sample Date		Client Info		02 Feb 2024	10 Jan 2023	26 Jan 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	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				ATTENTION	ATTENTION	ATTENTION
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Iron	ppm	ASTM D5185m	>200	0	<1	<1
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	05	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	<1	0	0
Tin	ppm	ASTM D5185m	>25	0	<1	0
Vanadium	ppm	ASTM D5185m	NONE	0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	16	14	11
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	16 0	14 <1	11 0
Potassium		ASTM D5185m	>20	0	<1	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	0 NEG	<1 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	0 NEG NONE	<1 NEG NONE	0 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	0 NEG NONE NONE	<1 NEG NONE LIGHT	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	0 NEG NONE NONE NONE	<1 NEG NONE LIGHT 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 >0.2 NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML	<1 NEG NONE LIGHT NONE NORML	0 NEG 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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORE NORML NORML NEG	<1 NEG NONE LIGHT 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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG	<1 NEG NONE LIGHT NORML NORML NEG 0	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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54	<1 NEG NONE LIGHT NORML NORML NEG 0 50	0 NEG NONE NONE NORML NORML NEG 0 35
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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0	<1 NEG NONE LIGHT NORML NORML NEG 0 50 0	0 NEG NONE NONE NORML NORML NEG 0 35 <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 *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54	<1 NEG NONE LIGHT NORML NORML NEG 0 50	0 NEG NONE NONE NORML NORML NEG 0 35
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123 <1	<1 NEG NONE LIGHT NORML NORML NEG 0 50 0 50 0 134 0	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91
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 ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123	<1 NEG NONE LIGHT NORML NORML NORML NORML 0 50 0 134 0 <1	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91 0 0 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium	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	>20 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123 <1 23 <1	<1 NEG NONE LIGHT NORML NORML NEG 0 50 0 134 0 <1 1	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91 0 0 0 33
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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123 <1 54 0 123 <1 4 4 401	<1 NEG NONE LIGHT NORML NORML NORML NEG 0 50 0 134 0 <1134 1 456	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91 0 0 0 33 33 321
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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123 <1 54 0 123 <1 4 4 401 26	<1 NEG NONE LIGHT NORML NORML NORML NORML 0 50 0 134 0 <1 1 456 15	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91 0 0 35 <1 91 0 3 3 3 3 3 2 1 20
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 >0.2 NONE NONE NORML NORML	0 NEG NONE NONE NORML NORML NEG <1 54 0 123 <1 54 0 123 <1 4 4 401	<1 NEG NONE LIGHT NORML NORML NORML NEG 0 50 0 134 0 <1134 1 456	0 NEG NONE NONE NORML NORML NEG 0 35 <1 91 0 0 0 33 33 321

Contact/Location: JODY SPARKS - ARKCHA





ARKEMA INC 601 TIGHTSQUEEZE INDUSTRIAL RD CHATHAM, VA athan Hester US 24531 Contact: JODY SPARKS JODY.SPARKS@ARKEMA.COM T: (434)432-3705 m rule (JCGM 106:2012) F:



 Unique Number
 : 10873003
 Diagnosed
 : 13 Feb 2024 - Jonathan Hester

 Certificate 12361
 Test Package
 : IND 1 (Additional Tests: FT-IR)
 Contact:

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

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
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 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

: 09 Feb 2024

: 12 Feb 2024

Laboratory

Sample No.

Lab Number : 06085558

: WC0773802

Contact/Location: JODY SPARKS - ARKCHA