

Machine Id SHAW BOX 11513623 ONI003 - BRIDGE (S/N L274923) Component Right Gearbox Fluid GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

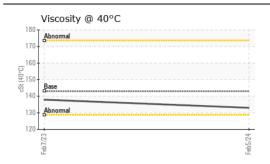
There is no indication of any contamination in the oil.

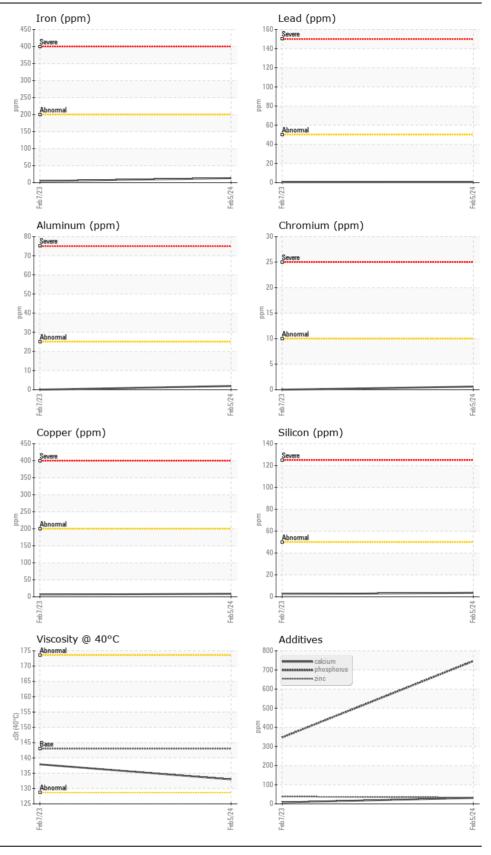
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0033181	DC0024834	
Sample Date		Client Info		05 Feb 2024	07 Feb 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
Iron			>200	40	л Л	
Chromium	ppm	ASTM D5185m		13	4	
	ppm	ASTM D5185m	>10	<1	-	
Nickel	ppm	ASTM D5185m ASTM D5185m	>10	1	0	
Titanium Silver	ppm			<1	0	
Aluminum	ppm	ASTM D5185m	05	0	0	
	ppm	ASTM D5185m	>25	2	0	
Lead	ppm	ASTM D5185m	>50	<1	<1	
Copper	ppm	ASTM D5185m	>200	9	6	
Tin	ppm	ASTM D5185m	>10	1	<1	
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>50	NONE 4	NONE 2	
Silicon	ppm	ASTM D5185m	>50	4	2	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>50 >20	4	2 <1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	4 2 NEG	2 <1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	4 2 NEG NONE	2 <1 NEG NONE	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE	4 2 NEG NONE NONE	2 <1 NEG NONE NONE	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE NONE	4 2 NEG NONE NONE NONE	2 <1 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	>50 >20 >0.2 NONE NONE NONE NORML	4 2 NEG NONE NONE NONE NORML	2 <1 NEG NONE NONE NONE 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	>50 >20 >0.2 NONE NONE NONE NORML NORML >0.2	4 2 NEG NONE NONE NORE NORML NEG	2 <1 NEG NONE NONE NONE 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	>50 >20 >0.2 NONE NONE NORML NORML >0.2	4 2 NEG NONE NONE NORML NORML NEG 5	2 <1 NEG NONE NONE NORML NORML NEG 3	
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 ASTM D5185m	 >50 >20 >0.2 NONE NORML NORML >0.2 >170 400 	4 2 NEG NONE NONE NORML NORML NEG 5 42	2 <1 NEG NONE NONE NORML NORML NEG 3 14	
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	>50 >20 >0.2 NONE NONE NORML NORML >0.2 >170 400 200	4 2 NEG NONE NONE NORML NORML NEG 5 42 3	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0	
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 ASTM D5185m	 >50 >20 >0.2 NONE NORML NORML >0.2 >170 400 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1	2 <1 NEG NONE NONE NORML NORML NEG 3 14 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	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NORME NORML >0.2 >170 400 200	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1	
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	 >50 >20 >0.2 NONE NORML NORML >0.2 >170 400 200 12 12 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3 1 3 2	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1 <1 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum 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 ASTM D5185m	 >50 >20 >0.2 NONE NORML NORML >0.2 >170 400 200 12 12 150 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3 1 3 2 31	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1 0 8	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >50 >20 >0.2 NONE NORML >0.2 >170 400 200 12 12 150 1650 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3 2 3 1 3 2 31 746	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1 0 <1 0 8 3 347	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm scalar scalar scalar scalar scalar ppm 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 ASTM D5185m	 >50 >20 >0.2 NONE NORML >0.2 >170 400 200 12 12 150 1650 125 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3 2 31 3 2 31 746 33	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1 <1 0 <1 <1 0 8 347 38	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >50 >20 >0.2 NONE NORML >0.2 >170 400 200 12 12 150 1650 	4 2 NEG NONE NONE NORML NORML NEG 5 42 3 1 3 2 3 1 3 2 31 746	2 <1 NEG NONE NONE NORML NORML NEG 3 14 0 <1 <1 0 <1 0 8 3 347	

Contact/Location: JASON WILDE - CRAASHMA





CRANEWORKS INC - MID-ATLANTIC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 11089 LEADBETTER ROAD : DC0033181 : 28 Feb 2024 Lab Number : 06103926 ASHLAND, VA Tested : 29 Feb 2024 Unique Number : 10902156 : 29 Feb 2024 - Wes Davis US 23005 Diagnosed Test Package : MOB 1 Contact: JASON WILDE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jcwilde@vacraneworks.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: JASON WILDE - CRAASHMA