

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id 60172 Component Front Differential Fluid GEAR OIL SAE 75W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

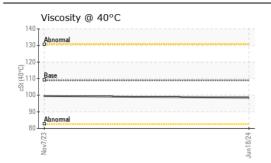
There is no indication of any contamination in the oil.

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		WC0867775	WC0867832	
Sample Date		Client Info		18 Jun 2024	07 Nov 2023	
Machine Age	mls	Client Info		45106	20890	
Oil Age	mls	Client Info		24216	125337	
Filter Age	mls	Client Info		0	125337	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
			500	075	A 000	
Iron	ppm	ASTM D5185m	>500	275	A 828	
Chromium	ppm	ASTM D5185m ASTM D5185m	>10	2	5	
Nickel	ppm		>10	2	3	
Titanium Silver	ppm	ASTM D5185m ASTM D5185m		<1	<1	
	ppm		- OF	<1	0	
Aluminum	ppm	ASTM D5185m ASTM D5185m	>25 >25	4	14	
Lead	ppm			-	5	
Copper	ppm	ASTM D5185m	>100	4	16	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m	NONE	<1		
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	57	175	
Silicon	ppm	ASTM D5185m	>75	57	▲ 175	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>75 >20	57 2	▲ 175 <1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>75 >20 >.2	57 2 NEG	▲ 175 <1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>75 >20 >.2 NONE	57 2 NEG NONE	 175 <1 NEG NONE 	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>75 >20 >.2 NONE NONE	57 2 NEG NONE NONE	 175 <1 NEG NONE NONE 	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>75 >20 >.2 NONE NONE NONE	57 2 NEG NONE NONE NONE	 175 <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	>75 >20 >.2 NONE NONE NONE NORML	57 2 NEG NONE NONE NONE NORML	 175 <1 NEG NONE 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	>75 >20 >.2 NONE NONE NONE NORML NORML	57 2 NEG NONE NONE NORE NORML NORML NEG	 175 <1 NEG NONE NONE NORML NORML NEG 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >.2 NONE NONE NORML NORML >.2	57 2 NEG NONE NONE NORML NORML NEG 3	 175 <1 NEG NONE NORML NORML NEG 9 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>75 >20 >.2 NONE NONE NORML >.2	57 2 NEG NONE NONE NORML NORML NEG 3 249	 175 <1 NEG NONE NONE NORML NORML NEG 9 222 	
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	>75 >20 >.2 NONE NONE NORML NORML >.2	57 2 NEG NONE NONE NORML NORML NEG 3 249 1	 175 <1 NEG NONE NONE NORML NORML NORML NEG 9 222 3 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	>75 >20 >.2 NONE NONE NORML >.2	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1	 175 <1 NEG NONE NORML NORML NEG 9 222 3 0 	
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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >.2 NONE NORME NORML >.2 400 200 12	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3	 175 <1 NEG NONE NONE NORML NORML NEG 9 222 3 0 11 	
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >.2 NONE NONE NORML >.2 400 200 12	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3 1 3	 175 <1 NEG NONE NONE NORML NORML NORML Q222 3 Q 11 40 	
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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >.2 NONE NORML NORML >.2 400 200 12	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3 (11 28	 175 <1 NEG NONE NONE NORML NORML NEG 9 222 3 0 11 40 122 	
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	 >75 >20 >2 NONE NORME NORML >2 400 200 12 12 150 1650 	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3 249 1 1 28 11 28 11338	 175 <1 NEG NONE NONE NORML NORML NEG 9 222 3 0 11 40 122 1393 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium	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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20 >.2 NONE NONE NORML >.2 400 200 12 12 12 150 1650 125	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3 11 28 11 28 1338 19	 175 <1 NEG NONE NONE NORML NORML NORML 222 3 0 11 40 122 1393 57 	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron 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	 >75 >20 >2 NONE NORME NORML >2 400 200 12 12 150 1650 	57 2 NEG NONE NONE NORML NORML NEG 3 249 1 <1 3 249 1 1 28 11 28 11338	 175 <1 NEG NONE NONE NORML NORML NEG 9 222 3 0 11 40 122 1393 	

Contact/Location: SHOP ? - GREGRETN





GREENEVILLE OIL & PETROLEUM INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0867775 Received : 01 Jul 2024 860 WEST ANDREW JOHNSON HWY Lab Number : 06225418 Tested : 02 Jul 2024 GREENEVILLE, TN Unique Number : 11103615 Diagnosed : 02 Jul 2024 - Wes Davis US 37745 Test Package : FLEET Contact: SHOP Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. shop@burkhartenterprises.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: SHOP ? - GREGRETN Page 2 of 2