

OIL ANALYSIS REPORT



Machine Id **EX-018** Component Left Final Drive Fluid

GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

🔺 Wear

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition

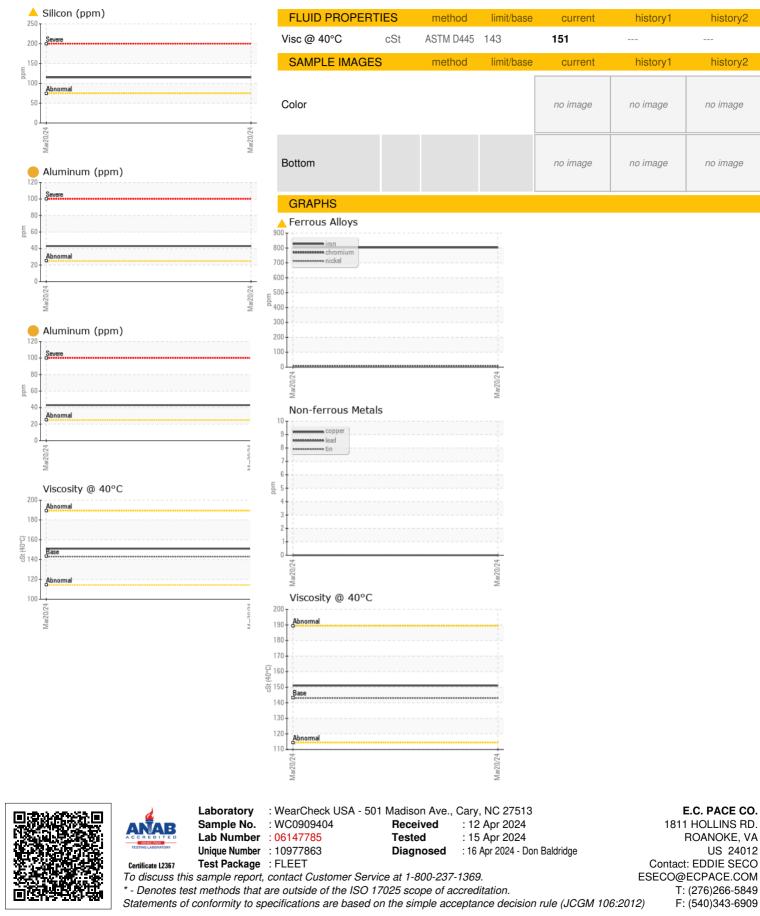
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909404		
Sample Date		Client Info		20 Mar 2024		
Machine Age	hrs	Client Info		2949		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	I	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	A 803		
Chromium	ppm	ASTM D5185m	>10	6		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		2		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<mark> </mark> 43		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	104		
Barium	ppm	ASTM D5185m	200	3		
Molybdenum	ppm	ASTM D5185m	12	0		
Manganese	ppm	ASTM D5185m		8		
Magnesium	ppm	ASTM D5185m	12	7		
Calcium	ppm	ASTM D5185m	150	84		
Phosphorus	ppm	ASTM D5185m	1650	891		
Zinc	ppm	ASTM D5185m	125	86		
Sulfur	ppm	ASTM D5185m	22500	27378		
CONTAMINANTS						
		method	limit/base	current	history1	history2
Silicon	ppm	method ASTM D5185m		current	history1	history2
Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>75 >170	▲ 115 3	history1 	history2
		ASTM D5185m	>75 >170	1 15	history1 	history2
Sodium	ppm	ASTM D5185m ASTM D5185m	>75 >170	▲ 115 3		
Sodium Potassium VISUAL White Metal	ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>75 >170 >20 limit/base NONE	 115 3 36 current NONE 		
Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	>75 >170 >20 limit/base	 115 3 36 current NONE NONE NONE 	 history1	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE	 115 3 36 current NONE NONE NONE NONE NONE 	 history1	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE	 115 3 36 current NONE NONE NONE NONE NONE NONE 	 history1 	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE NONE	 115 3 36 current NONE 	 history1 	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE NONE	 115 3 36 current NONE 	 history1 	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	 115 3 36 current NONE NORML 	 history1 	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE NONE NORML NORML	 115 3 36 current NONE NONE NONE NONE NONE NONE NONE NONE NONE NORE NORE NORML NORML 	 history1 	 history2
Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	 115 3 36 current NONE NORML 	 history1 	 history2

Report Id: ECPROA [WUSCAR] 06147785 (Generated: 04/16/2024 13:48:33) Rev: 1



OIL ANALYSIS REPORT



Contact/Location: EDDIE SECO - ECPROA