

OIL ANALYSIS REPORT



Machine Id **EX-018** Component Right 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.

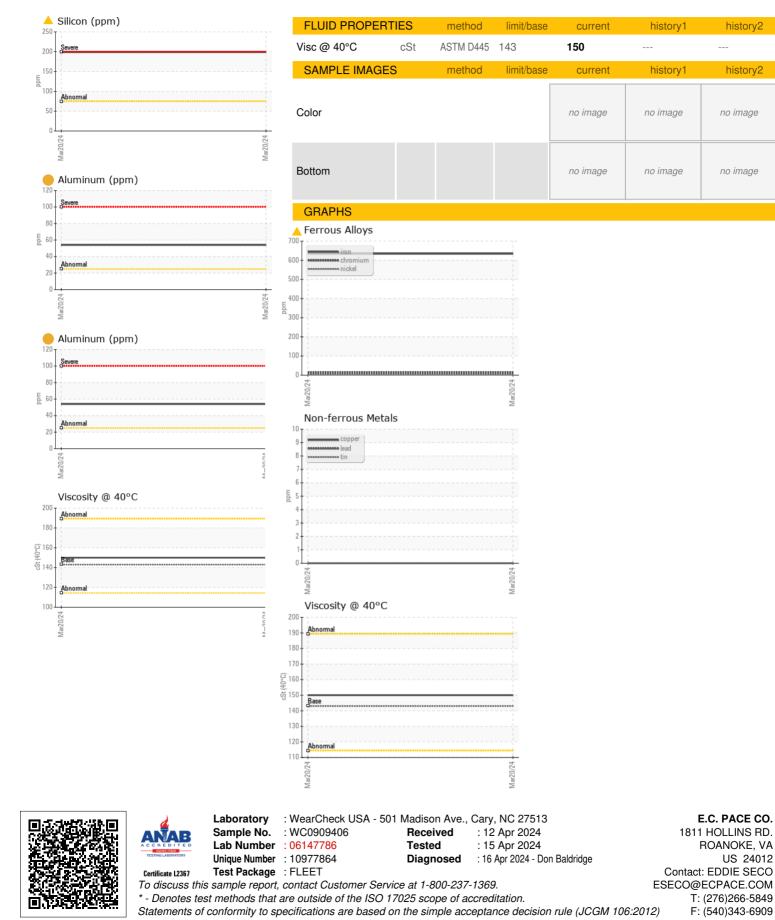
Fluid Condition

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

Sample Number Client Info 20 Mar 2024 Sample Date Client Info 20 Mar 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Age Lient Info N/A ContAminATION Method Imil/base current history1 history2 ContAminATION WC Method >0.2 NEG Water WC Method >0.2 NEG WEAR METALS WC Method >0.2 Tran ppm ASTM 05185 >10 Nickel ppm ASTM 05185 >25 6 64 Copper ppm ASTM 05185 >10 0 Cadmium ppm ASTM 05185 >10 0 <t< th=""><th>SAMPLE INFORM</th><th>ATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
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Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGFree Waterscalar*VisualNEG	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE	28033 current ▲ 199 4 52 current NONE NONE	 history1 history1 	 history2 history2
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGFree Waterscalar*VisualNEG	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE MODER	 history1 history1 	 history2 history2
Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Free Water scalar *Visual Image: NEG Image: NEG Image: NEG	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
Emulsified Waterscalar*Visual>0.2NEGFree Waterscalar*VisualNEG	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
Free Water scalar *Visual NEG	CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
:48:43) Rev: 1 Contact/Location: EDDIE SECO - ECPROA	CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	22500 limit/base >75 >170 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	28033 current 199 4 52 current NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 -	 history2 history2



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