

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CHEVROLET N40-NMA

Component Rear Differential Fluid GEAR OIL SAE 75W90 (2 QTS)

DIAGNOSIS

A Recommendation

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

A Wear

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

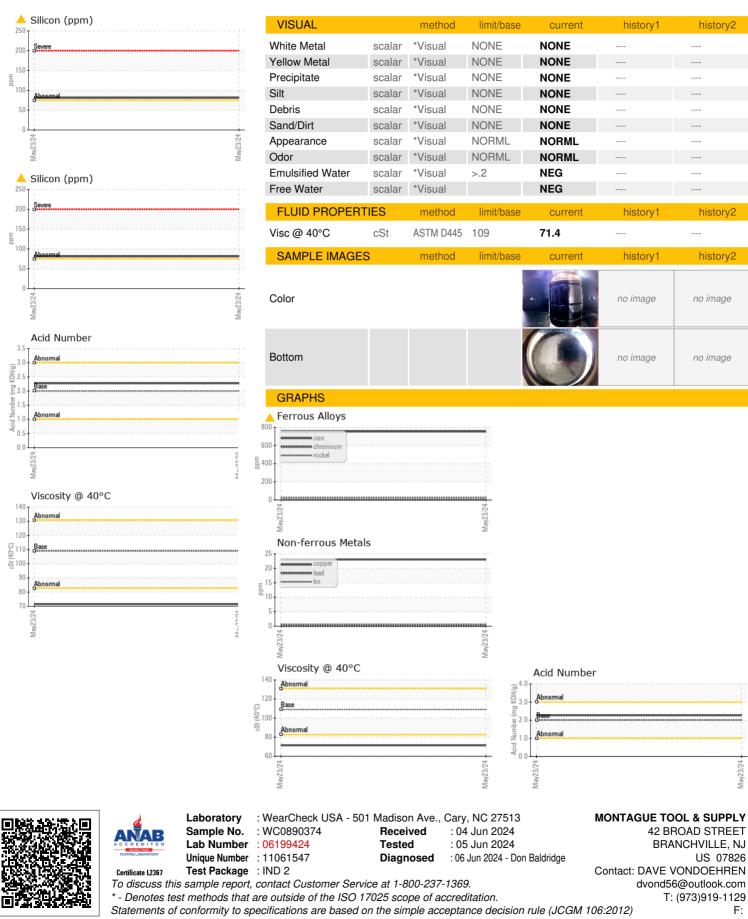
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0890374		
Sample Date		Client Info		23 May 2024		
Machine Age	mls	Client Info		70000		
Oil Age	mls	Client Info		70000		
Oil Changed		Client Info		Filtered		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	^ 753		
Chromium	ppm	ASTM D5185m	>10	2		
Nickel	ppm	ASTM D5185m	>10	<mark>/</mark> 28		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	23		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	18		
Barium	ppm	ASTM D5185m	200	0		
Molybdenum	ppm	ASTM D5185m	12	10		
Manganese	ppm	ASTM D5185m		91		
Magnesium	ppm	ASTM D5185m	12	0		
Calcium	ppm	ASTM D5185m	150	0		
Phosphorus	ppm	ASTM D5185m	1650	1098		
Zinc	ppm	ASTM D5185m	125	26		
Sulfur	ppm	ASTM D5185m	22500	29294		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	A 81		
Sodium	ppm	ASTM D5185m		50		
Potassium	ppm	ASTM D5185m	>20	18		
Folassium	ppm		- = 0			
FLUID DEGRADA		method	limit/base	current	history1	history2



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Contact/Location: DAVE VONDOEHREN - MONBRANJ

E:

US 07826

history2

history2

history2

no imade

no imade