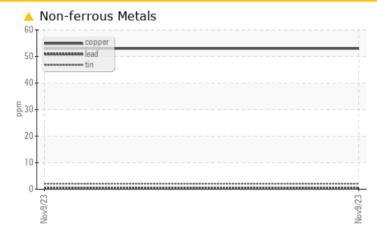


Machine Id **10-589L** Component

Diesel Engine Fluid NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL				
Copper	ppm	ASTM D5185m	>30	<mark>/</mark> 53				

Customer Id: MANTUL Sample No.: WC0793161 Lab Number: 06008807 Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id **10-589L** Component **Diesel Engine** Filuid **NOT GIVEN (--- GAL)**

DIAGNOSIS

A Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

🔺 Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

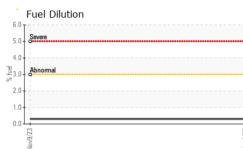
Fluid Condition

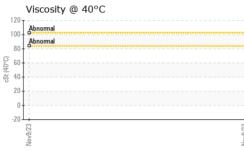
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

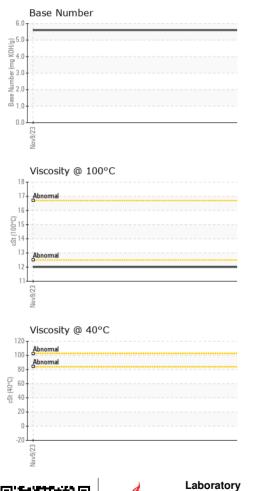
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0793161		
Sample Date		Client Info		09 Nov 2023		
Machine Age	hrs	Client Info		2454		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method	in in base	NEG		
WEAR METALS		method	limit/base	current		
					history1	history2
Iron	ppm	ASTM D5185m	>200	28		
Chromium	ppm	ASTM D5185m		1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	91		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>30	14		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>30	<u> </u>		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		425		
Calcium	ppm	ASTM D5185m		1786		
Phosphorus	ppm	ASTM D5185m		901		
Zinc	ppm	ASTM D5185m		1221		
Sulfur	ppm	ASTM D5185m		3116		
CONTAMINANTS		method	limit/base		biotomat	biotom/Q
				current	history1	history2
Silicon	ppm	ASTM D5185m	>30	11		
Sodium	ppm	ASTM D5185m	00	3		
Potassium	ppm	ASTM D5185m	>20	33		
Fuel	%	ASTM D3524	>3.0	0.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	11.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.3		
Base Number (BN)	mg KOH/g	ASTM D2896		5.6		
Dase Number (DN)	ing Konvy	ACTIVI D2030		0.0		

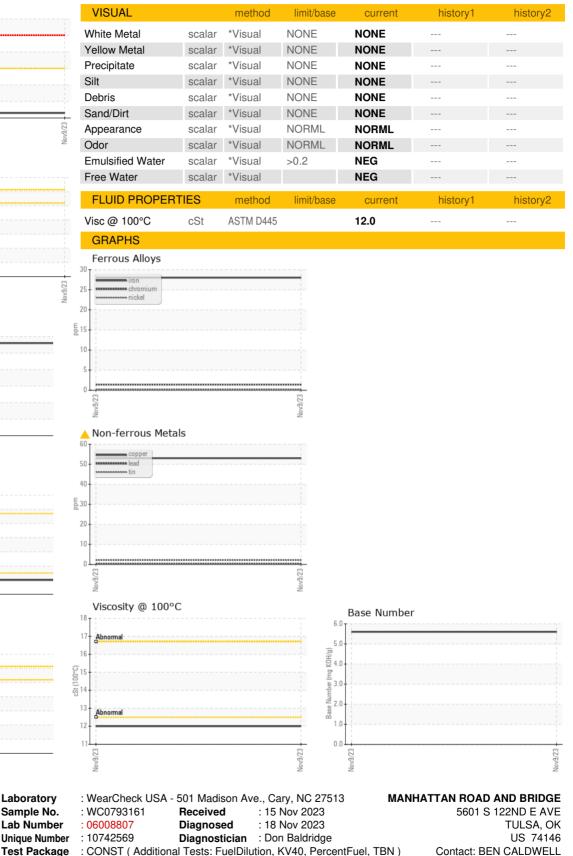


OIL ANALYSIS REPORT









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