

PROBLEM SUMMARY

Sample Rating Trend

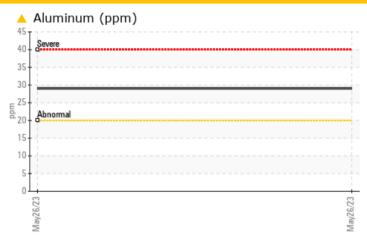
WEAR

DT-102

Component **Diesel Engine**

DIESEL ENGINE OIL SAE 15W40 (--- 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.

PROBLEMATIC TEST RESULTS Sample Status ABNORMAL -- -- Aluminum ppm ASTM D5185m >20 ▲ 29 -- --

Customer Id: ECPROA
Sample No.: WC0705198
Lab Number: 05900982
Test Package: FLEET

To manage this report scan the QR code

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

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

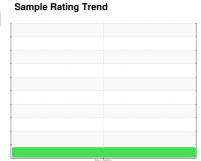
RECOMMENDED ACTIONS									
Action	Status	Date	Done By	Description					
Change Fluid			?	Oil and filter change at the time of sampling has been noted.					
Change Filter			?	Oil and filter change at the time of sampling has been noted.					

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

DT



WEAR



DT-102
Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

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.

Wear

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

Contamination

There is no indication of any contamination in the oil

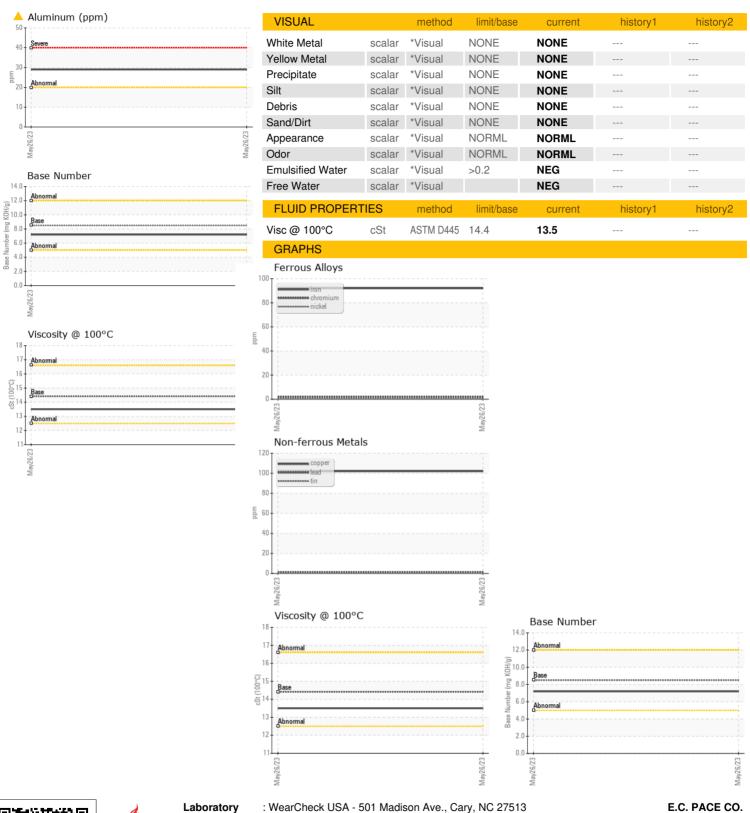
Fluid Condition

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

				May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Client Info	IIIIII DAGC			
Sample Number Sample Date		Client Info		WC0705198		
•	bro	Client Info		26 May 2023 1048		
Machine Age	hrs	Client Info		500		
Oil Age	hrs					
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	92		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	 <1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u>^</u> 29		
Lead	ppm	ASTM D5185m	>40	1		
Copper	ppm		>330	102		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m	>10	<1		
Cadmium	ppm	ASTM D5185m		0		
	ррііі					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	33		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	63		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	450	435		
Calcium	ppm	ASTM D5185m	3000	2057		
Phosphorus	ppm	ASTM D5185m	1150	990		
Zinc	ppm	ASTM D5185m	1350	1317		
Sulfur	ppm	ASTM D5185m	4250	3750		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	10.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.4		
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896		7.2		
Dase Number (DIV)	my NOTI/y	MOTIVI DZ030	0.0	1.4		



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

: 05900982

: WC0705198

Received Diagnosed : 10562338 Diagnostician : Don Baldridge

: 18 Jul 2023

: 19 Jul 2023

Test Package : FLEET (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

E.C. PACE CO. 1811 HOLLINS RD. ROANOKE, VA US 24012

Contact: EDDIE SECO ESECO@ECPACE.COM T: (276)266-5849

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (540)343-6909