

PROBLEM SUMMARY

Sample Rating Trend

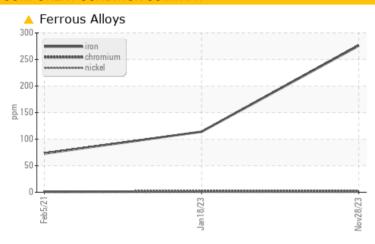
WEAR

DODGE 5500 8009 (S/N 522808)

Diesel Engine

PETRO CANADA DURON XL SYN BLEND 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. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	ABNORMAL	ATTENTION			
Iron	ppm	ASTM D5185m	>90	A 276	<u></u> 114	73			

Customer Id: TRANEW Sample No.: WC0879389 Lab Number: 06026187 Test Package: CONST 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.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

18 Jan 2023 Diag: Don Baldridge

WEAR



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. Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



05 Feb 2021 Diag: Jonathan Hester

VISCOSITY



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

DODGE 5500 8009 (S/N 522808)

Component

Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

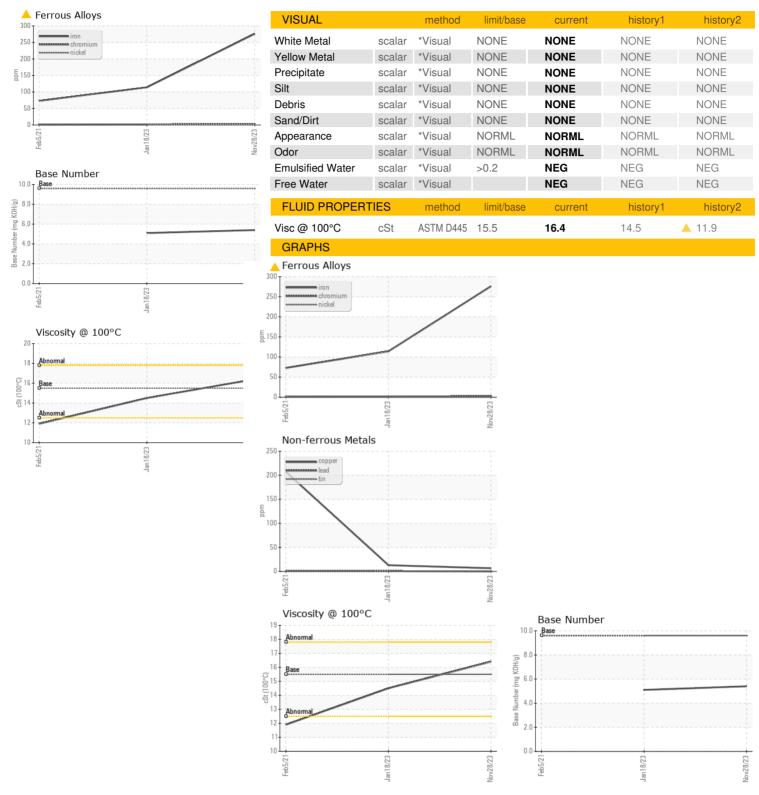
Fluid Condition

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

15W40 (GAL)		Feb	2021	Jan 2023 Nov 20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0879389	WC0775920	WC0532306
Sample Date		Client Info		28 Nov 2023	18 Jan 2023	05 Feb 2021
Machine Age	hrs	Client Info		2350	1643	547
Oil Age	hrs	Client Info		707	507	547
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	276	<u> </u>	73
Chromium	ppm	ASTM D5185m	>20	2	2	1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	4	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	7	6	5
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	7	13	207
Tin	ppm	ASTM D5185m	>15	0	1	1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	2	8	20
Barium	ppm	ASTM D5185m	1	2	2	6
Molybdenum	ppm	ASTM D5185m	60	71	64	44
Manganese	ppm	ASTM D5185m	1	2	2	5
Magnesium	ppm	ASTM D5185m	1010	1062	924	624
Calcium	ppm	ASTM D5185m	1070	1195	1130	1435
Phosphorus	ppm	ASTM D5185m	1150	1027	923	873
Zinc	ppm	ASTM D5185m	1270	1357	1243	1125
Sulfur	ppm	ASTM D5185m	2060	2938	2955	2016
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	10	29
Sodium	ppm	ASTM D5185m		2	4	10
Potassium	ppm	ASTM D5185m	>20	13	9	17
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.9	0.6	0.2
Nitration	Abs/cm	*ASTM D7624	>20	16.2	13.8	13
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.2	26.1	26.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.4	25.5	27.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	5.4	5.1	



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0879389 : 06026187

Received : 10775978

: 06 Dec 2023 Diagnosed : 07 Dec 2023 Diagnostician : Don Baldridge

Test Package : CONST (Additional Tests: TBN) 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.

TRADER CONSTRUCTION CO.

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