

OIL ANALYSIS REPORT

Machine Id GMC 145517 Component Gasoline Engine Fluid TRC PRO-SPEC SYNTHETIC 0W20 (8 LTR)

RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

	Titanium	ppm	ASTM D5185(m)			0
	Silver	ppm	ASTM D5185(m)	>2		0
	Aluminum	ppm	ASTM D5185(m)	>40		2
	Lead	ppm	ASTM D5185(m)	>50		0
	Copper	ppm	ASTM D5185(m)	>155		8
	Tin	ppm	ASTM D5185(m)	>10		0
	Vanadium	ppm	ASTM D5185(m)			0
the oil. Tests confirm the	Silicon	ppm	ASTM D5185(m)	>30	1	6
	Potassium	ppm	ASTM D5185(m)	>20		<1
	Fuel	%	ASTM D7593*	>4.0		13.8
	Water		WC Method	>0.2		NEG
	Glycol		WC Method			NEG
	Soot %	%	ASTM D7844*			0
	Nitration	Abs/cm	ASTM D7624*	>20		12.1
	Sulfation	Abs/.1mm	ASTM D7415*	>30		20.1
	Emulsified Water	scalar	Visual*	>0.2		NEG
able alkalinity remaining in the o the presence of	Sodium	ppm	ASTM D5185(m)	>400		3
	Boron	ppm	ASTM D5185(m)			74
	Barium	ppm	ASTM D5185(m)			0
	Molybdenum	ppm	ASTM D5185(m)			79
	Manganese	ppm	ASTM D5185(m)			<1
	Magnesium	ppm	ASTM D5185(m)			407

Calcium

Zinc

Sulfur

Oxidation

Base Number (BN)

Visc @ 100°C

Phosphorus

Test

Sample Number

Sample Date

Machine Age

Oil Age

Iron

Nickel

Chromium

Filter Age

Oil Changed

Filter Changed

Sample Status

UOM

kms

kms

kms

ppm

ppm

ppm

Method

Client Info

Client Info

Client Info

Client Info

Client Info

Client Info

Client Info

ASTM D5185(m)

ASTM D5185(m)

ASTM D5185(m)

ASTM D5185(m)

ASTM D5185(m)

ASTM D5185(m)

ASTM D7414*

ASTM D2896*

ASTM D7279(m)

ppm

ppm

ppm

ppm

Abs/.1mm

mg KOH/g

cSt

2100

870

>25

1124

614

706

2040

13.7

5.45

ASTM D5185(m) >20

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

8.3 **5.3** 5.3 6.3 Contact/Location: David Cramer - WILROS Page 1 of 2

NORMAL

History1

10 Nov 2023

142905

13542

13542

Changed

Changed

SEVERE

14

<1

0

0

<1 2

2

11

0

0

11

0

13.9

NEG

NEG

12.1

20.4

NEG

3

82

<1

65

3

415

1087

624

679

2168

14.3

3.87

0

History2

22 May 2023

129363

25503

25503

Changed

Changed

SEVERE

▲ 272

6

1

<1 0

29

<1

22

<1

<1

A 36

7

10.8

NEG

NEG

18.8

28.1

NEG

8

28

0

126

22

425

1383

657

1023

1835

31.1

3.69

0

TR02597080 TR02560571

WEAR

l imit/Abn

>150

>5

Current

TR02627285

27 Mar 2024

149165

19802

19802

Not Changd

Not Changd

SEVERE

15

<1

0



Test Package : MOB 2 (Additional Tests: PercentFuel) To discuss this sample report, contact Customer Service at 1-800-827-0711.

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

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

T: (807)475-5951 F: (807)475-8619

Nov10/23

CA P7K 0P2

/lav22/23

Mar27/24

//ar27/24

Aar27/2

lov10/23

Aav22/23

ECICCINEV

Contact/Location: David Cramer - WILROS Page 2 of 2