

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Chevrolet 4350

Component

Gasoline Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a components first oil change.

Contamination

There is no indication of any contamination in the

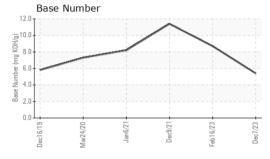
Fluid Condition

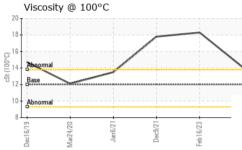
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Dec2019	Mar2020 Jan2021	Dec2021 Feb2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age	mls	Client Info Client Info Client Info		PCA0091620 07 Dec 2023 90940	PCA0071436 16 Feb 2023 72355	PCA0045659 09 Dec 2021 54230
Oil Age Oil Changed Sample Status	mls	Client Info Client Info		18585 Changed NORMAL	18123 Changed ABNORMAL	16811 Changed ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>4.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron Chromium Nickel	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>150 >20 >5	19 1 <1	35 1 1	27 1 1
Titanium Silver Aluminum Lead	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>2 >40 >50	<1 0 4 <1	<1 0 7	<1 0 5 <1
Copper Tin Antimony	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>155 >10	29	47 <1	52 <1
Vanadium Cadmium	ppm	ASTM D5185m ASTM D5185m		<1 0	<1 0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50	0 0 57 <1	3 0 53 2	5 0 45
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	950 1050 995	870 971 825	821 971 776	795 955 734
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1180 2600	1089 2385	1126 2544	948 1921
CONTAMINAN	ITS	method	limit/base		history1	history2
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>30 >400 >20	10 2 0	10 7 3	12 6 2
INFRA-RED		method	limit/base	current	history1	history2
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>20 >30	0.1 18.3 29.8	0.1 20.2 51.6	0.1 20.8 50.3
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25	34.1 5.4	49.2 8.7	38.8 11.4



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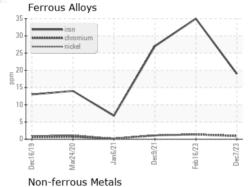


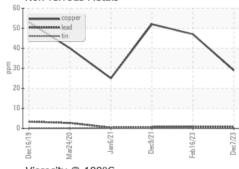


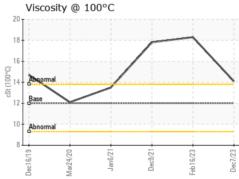
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

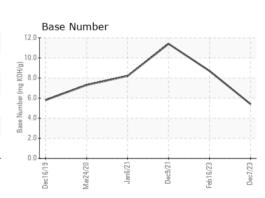
FLUID FROFERITES		memou			HISTORY	1115101 y 2	
Visc @ 100°C	cSt	ASTM D445	12.00	14.1	▲ 18.3	17.8	

GRAPHS













Laboratory Sample No. Lab Number

Unique Number : 10795555

: PCA0091620 : 06040326

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved Diagnosed

: 20 Dec 2023

: 21 Dec 2023 Diagnostician : Sean Felton

Test Package : FLEET (Additional Tests: FT-IR(Diff)) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

ICSB370 - Alton 4525 North Alby Road Godfrey, IL

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